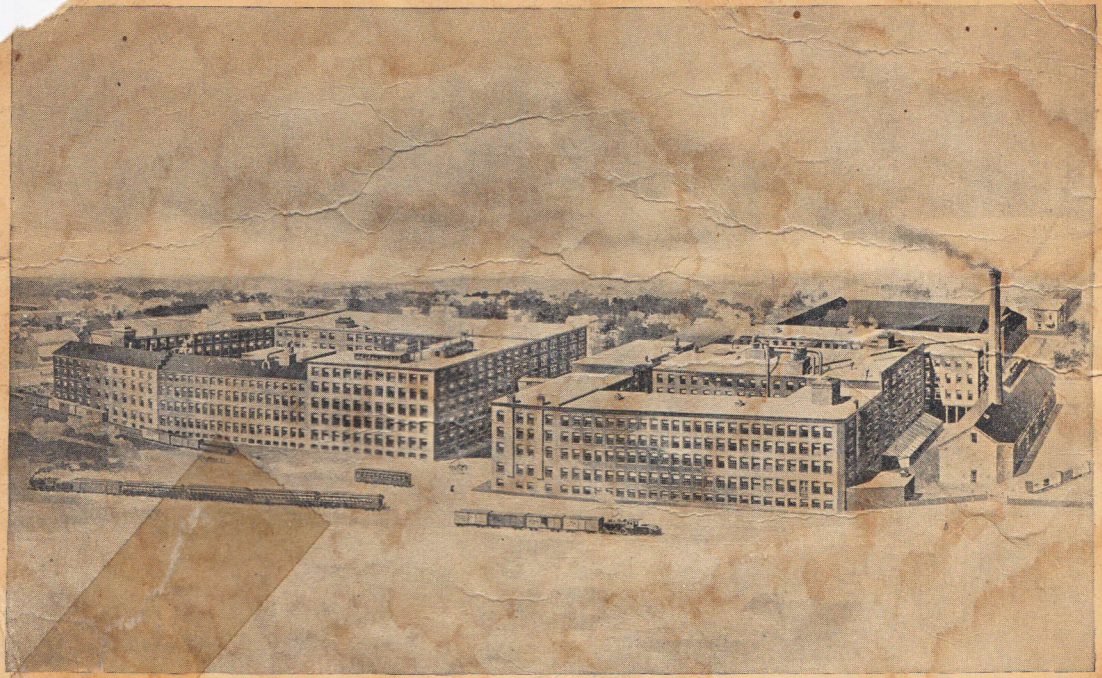
STANLEY RULE & LEVEL COMPANY

CATALOGUE
NO 34



MAIN FACTORY AND OFFICES

10 06

CATALOGUE No. 34

(2ND EDITION)

1907

A MECHANIC'S REFERENCE BOOK

CONTAINING

U. S. STANDARD RULES
PLUMBS AND LEVELS
IRON AND WOOD PLANES
TRY SQUARES AND BEVELS
BIT BRACES
MITRE BOXES
SCREW DRIVERS

AND

MISCELLANEOUS

IMPROVED WOODWORKERS' TOOLS

MANUFACTURED BY THE

STANLEY RULE AND LEVEL CO.

FACTORIES AND GENERAL OFFICES

NEW BRITAIN, CONN., U. S. A.

NEW YORK OFFICE AND EXPORT DEP'T

107 CHAMBERS ST., NEW YORK CITY

DANIEL RINEHART,
EVERYTHING IN HARDWARE,
WAYNESBORO, PA.

STANLEY RULE AND LEVEL CO.

TO THE USERS OF "STANLEY" TOOLS

IN publishing this catalogue, it has been our purpose to present to the users of our tools a hand-book giving specifications, information and prices of certain of our tools most generally used.

HOW TO PURCHASE

The prices given in this book are so-called "List Prices."

In most cases it would be possible to obtain any of the tools mentioned at a regular hardware store at a lower price than the one quoted in this book. Dealers carrying tools in stock are in a position to reduce transportation charges to a minimum.

In the event of your being unable to obtain such of our tools as are required, from your hardware dealers, we suggest that you communicate direct with us. We would then be pleased to send, delivery prepaid to any part of the United States, any of the goods mentioned in this book, at prices printed, provided cash to cover the amount accompanies order. However, in general, we refer you to the trade.

MANUFACTURING EXPERIENCE

This Company has been engaged in the designing and manufacture of Carpenter Tools since 1857, under the present name. For several years prior to that time the same business was carried on under other names.

We are thus enabled to manufacture and offer tools which embody the study of half a century devoted to their design, both as regards the results which may be obtained with them and for the best methods of manufacture.

We are frank to state that the design of many of the special tools which we show originated in the suggestions of our customers. We are always pleased to receive suggestions from the tool-users.

QUALITY

We feel that the tool-user appreciates the fact that a cheap tool is not always the cheapest in the long run. Stanley Tools have never been known as "cheap tools," neither have they the

reputation of not showing "value received." We feel that the fact that to-day we are the largest manufacturers in the world in our line is an endorsement of our policy to furnish the best goods at the lowest possible price for tools of best quality.

Many tools, which in the past have been too expensive to find their way into every "tool kit," are now being made by such improved methods and in such quantity that it is possible to sell them at a price that makes them available to all.

GUARANTEE

All our tools are guaranteed. If any Stanley Tool which has passed the rigid inspection given it at our factory before shipment should show any defect due to the fault of manufacture, such tool, if brought to our notice, will be replaced without any cost to the owner.

TRADE-MARK

A trade-mark is really a trade name, or device to designate or indicate the manufacturer of specific articles; that is, "Bed Rock," "Bailey," "Stanley," "Victor," "Zig-Zag," "Forty-five," "Fifty-five," etc, as used, are names and numbers identifying certain tools made only by this Company.

We advise all persons to be sure that genuine Stanley Tools are furnished, and not imitations of inferior quality.

IN GENERAL

Attention is called to recent improvements in the line of "Bailey" Iron Planes, on pages 40 and 41.

We call particular attention to the fact that, in ordering Parts for Planes, the number of the Plane should always be given.

We trust that the tables given in the last pages of this book may prove of value to the person into whose hands the book comes.

With thanks for the favor which has been shown to our tools in the past, and trusting we may be favored with your continued patronage.

STANLEY RULE AND LEVEL CO.

STANLEY RULE AND LEVEL CO.

RULES

THE value of a Rule consists not only in its being made of correct length and with accurate graduations but also in its liability to remain correct.

The Stanley Rule is made by such improved methods that it is originally absolutely correct. The fact that all Boxwood used in the Stanley Rules is sawed into shapes, and left to season from eighteen months to two years before being made into finished Rules, insures against change, and herein lies our claim for the superiority of the Stanley Rule over all others.

In Rules, as in all tools, a saving in the first cost is not an economy. A Double Arch Joint Bound Rule, for instance, while it costs only say five times as much, will outlast a dozen Round Joint ones, and will be a source of satisfaction to its owner all the time.

We use nothing but genuine Ivory and Boxwood in the manufacture of our Rules, and all are warranted.

In the following pages, in addition to our lines of ordinary Rules, we show several of our special Rules, which we trust will be of interest to the reader.

We can furnish to order any of our Standard Rules marked with Metric Graduations, or with inches on one side and Metric on the other.

We can also furnish any of our Standard Rules with "English Marking" if desired, that is with the numbers running from left to right.

It will be noticed that many of our Rules are specified as having Drafting Scales or Octagonal Scales.

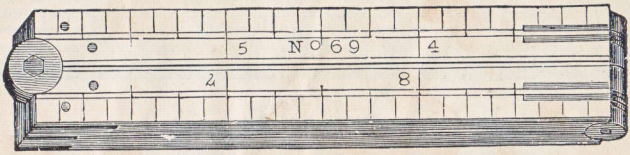
Drafting Scales are used for laying out work or reading drawings where a scale of ¼ inch, ½ inch, ¾ inch or 1 inch to the foot is found convenient.

Octagonal Scales are used to lay out Eight-square work, from 1 inch to 24 or 34 inches diameter.

First, outline on the board, or stick, a square diagram of the dimensions wished for. The Scale marked M (Middle) is for setting a pair of Dividers from a point mid-way from the two corners of any one side of this diagram. The Dividers, when thus set by the M Scale (using the distance from end of the Rule to graduation on the scale which agrees with the full diameter of the square), will prick the distance from the mid-way point, on all four sides of the square, to the point at which to saw for an Eight-square. The Scale E (Edge) is used for setting the Dividers so as to prick on the sides of the square, the distance from the four corners at which to saw for an Eight-square.

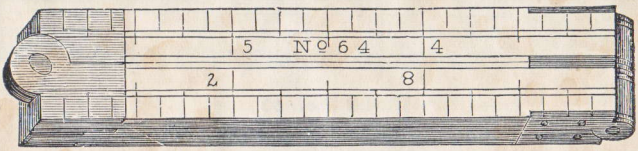
BOXWOOD RULES

ONE FOOT, FOUR FOLD, NARROW



RULE No. 69

No.		Each
69	Round Joint, Middle Plates, 8ths and 16ths of inches, ⅝ in. wide,	$0 15



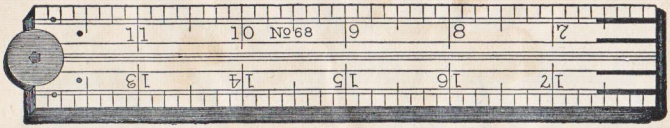
RULE No. 64

65	Square Joint, Middle Plates, 8ths and 16ths of inches, ⅝ in. wide,	17
64	Square Joint, Edge Plates, 8ths and 16ths of inches, ⅝ in. wide,	23
65½	Square Joint, Bound, 8ths and 16ths of inches, ⅝ in. wide,	46

RULE No. 57

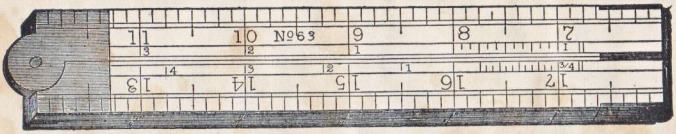
55	Arch Joint, Middle Plates, 8ths and 16ths of inches, ⅝ in. wide,	21
56	Arch Joint, Edge Plates, 8ths and 16ths of inches, ⅝ in. wide,	30
57	Arch Joint, Bound, 8ths and 16ths of inches, ⅝ in. wide,	53

STANLEY RULE AND LEVEL CO.



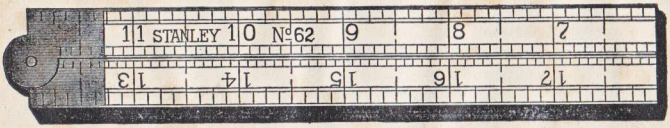
RULE No. 68

Cut shows Round Joint and Middle Plates.



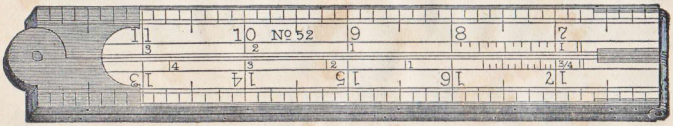
RULE No. 63

Cut shows Square Joint and Edge Plates.



RULE No. 62

Cut shows Square Joint and Bound Rule.



RULE No. 52

Cut shows Arch Joint and Half Bound Rule.

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BOXWOOD RULES

TWO FEET, FOUR FOLD, NARROW

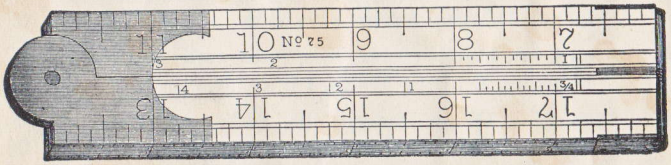
No.		Each
68	Round Joint, Middle Plates, 8ths and 16ths of inches, 1 in. wide,	$0 21
61	Square Joint, Middle Plates, 8ths and 16ths of inches, 1 in. wide,	25
63	Square Joint, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide,	34
84	Square Joint, Half Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide,	55
62	Square Joint, Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide,	67
51	Arch Joint, Middle Plates, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide,	30
53	Arch Joint, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide,	38
52	Arch Joint, Half Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide,	61
54	Arch Joint, Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide,	73
59	Double Arch Joint, Bitted, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide,	44
60	Double Arch Joint, Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide,	90

TWO FEET, FOUR FOLD, EXTRA NARROW

61½	Square Joint, Middle Plates, 8ths and 16ths of inches, ¾ in. wide,	28
63½	Square Joint, Edge Plates, 8ths, 10ths and 16ths of inches, ¾ in. wide,	36
62½	Square Joint, Bound, 8ths, 10ths, 12ths and 16ths of inches, ¾ in. wide,	67

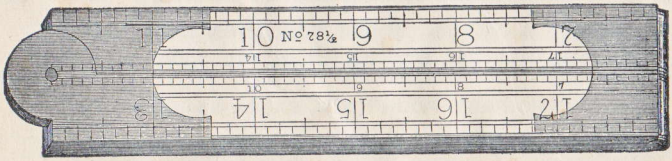
RULE No. 70

Cut shows Square Joint and Middle Plates.



RULE No. 75

Cut shows Arch Joint and Edge Plates.



RULE No. 78½

Cut shows Double Arch Joint and Bound Rule.

BOXWOOD, TWO FEET, FOUR FOLD, BROAD

No.		Each
70	Square Joint, Middle Plates, 8ths and 16ths of inches, Drafting Scales, 1⅜ in. wide,	$0 34
72	Square Joint, Edge Plates, 8ths, 10ths and 16ths of inches, Drafting Scales 1⅜ in. wide,	42
72½	Square Joint, Bound, 8ths, 10ths and 16ths of inches, Drafting Scales, 1⅜ in. wide,	75
73	Arch Joint, Middle Plates, 8ths, 10ths and 16ths of inches, Drafting Scales, 1⅜ in. wide,	42
75	Arch Joint, Edge Plates, 8ths, 10ths and 16ths of inches, Drafting Scales, 1⅜ in. wide,	50
76	Arch Joint, Bound, 8ths, 10ths and 16ths of inches, Drafting Scales, 1⅜ in. wide,	84
77	Double Arch Joint, Bitted, 8ths, 10ths and 16ths of inches, Drafting Scales, 1⅜ in. wide,	55
78	Double Arch Joint, Half Bound, 8ths, 10ths and 16ths of inches, Drafting Scales, 1⅜ in. wide,	84
78½	Double Arch Joint, Bound, 8ths, 10ths and 16ths of inches, Drafting Scales, 1⅜ in. wide,	1 00
83	Arch Joint, Edge Plates, Slide, 8ths, 12ths and 16ths of inches, 100ths of a foot and Octagonal Scales, 1⅜ in. wide,	84

BOARD MEASURE, TWO FEET, FOUR FOLD, BOXWOOD

The Tables on the inside of these Rules will give the contents in Board Measure, of one-inch Boards, of any ordinary dimensions.

79	Square Joint, Edge Plates, 12ths and 16ths of inches, Drafting Scales, 1⅜ in. wide,	59
81	Arch Joint, Edge Plates, 12ths and 16ths of inches, Drafting Scales, 1⅜ in. wide,	67
82	Arch Joint, Bound, 12ths and 16ths of inches, Drafting Scales, 1⅜ in. wide,	1 00

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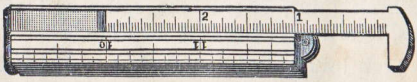
BOXWOOD CALIPER, SIX INCH

RULE No. 36

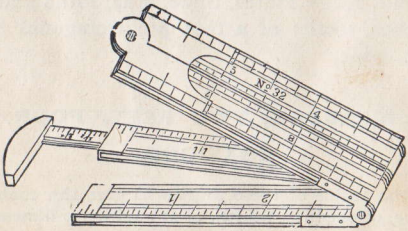
No.		Each
36	Square Joint, Two Fold, 8ths, 10ths, 12ths and 16ths of inches, ⅞ in. wide,	$0 38
13	Square Joint, Two Fold, 8ths and 16ths of inches, 1⅛ in. wide,	46
13½	Square Joint, Two Fold, 8ths and 16ths of inches, 1½ in. wide,	55

BOXWOOD CALIPER, ONE FOOT, FOUR FOLD



RULE No. 3

3	Square Joint, Bound, 8ths and 16ths of inches, ⅝ in. wide,	1 00



RULE No. 32

32	Arch Joint, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, 1 in. wide,	59
32½	Arch Joint, Bound, 8ths, 10ths, 12ths and 16ths of inches, 1 in. wide,	84

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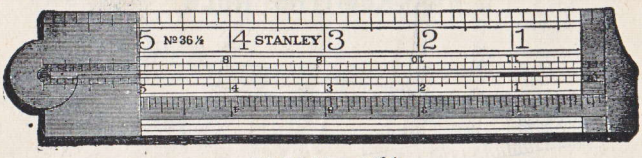
BOXWOOD CALIPER, ONE FOOT, TWO FOLD



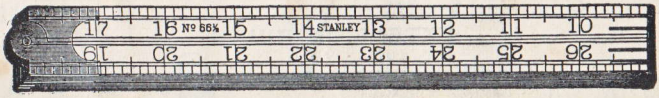
RULE No. 36½

CUT SHOWS RIGHT HAND CALIPER (See Note)

No.		Each
36½	Square Joint, Two Fold, 8ths, 10ths, 12ths and 16ths of inches, 1⅜ in. wide, **Left Hand Caliper,**	$0 55

NOTE—All Caliper Rules are regularly made with Caliper Left Hand, as shown in cut of No. 36 on opposite page. When ordered with Caliper Right Hand, as shown in cut of No. 36½, an additional charge of 5c each will be made. The Caliper of all Caliper Rules is regularly graduated in 16ths, but can be furnished in 32nds without additional charge, if so ordered.

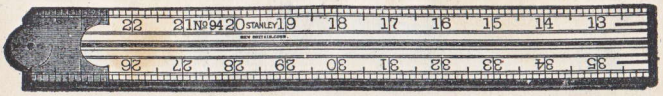
BOXWOOD, THREE FEET, FOUR FOLD



RULE No. 66½

66	Arch Joint, Middle Plates, Four Fold, 16ths of inches, outside, and Yard graduations only on inside, 1 in. wide,	50
66½	Arch Joint, Middle Plates, Four Fold, 8ths and 16ths of inches, 1 in. wide,	50
66¾	Arch Joint, Bound, Four Fold, 8ths and 16ths of inches, 1 in. wide,	1 25

BOXWOOD, CARRIAGE MAKERS', FOUR FEET, FOUR FOLD



RULE No. 94

94	Arch Joint, Bound, 8ths and 16ths of inches, 1½ in. wide,	2 17

YARD STICKS.

33	Yard Stick, Polished,	17
41	Yard Stick, Brass Tips, Polished,	30
50	Yard Stick, Hickory, Brass Tips, Polished,	38

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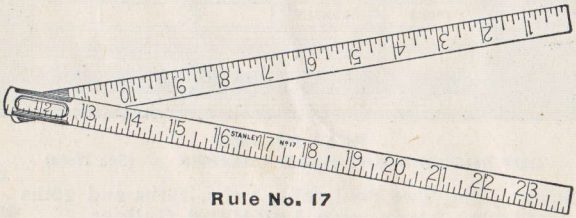
BLACKSMITHS' RULE



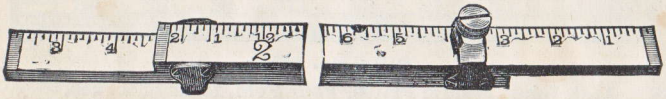
Rule No. 17

This Rule consists of two legs made from spring brass joined together by a brass joint of similar design to joint used in our Zig Zag Rules.

This Rule is particularly adapted for measuring hot metal, as it can be cooled by plunging in water without rusting.

No.		Each
17	Two foot, two fold, graduated in 8ths of inches, ¾ in. wide,	$0 50

EXTENSION RULES



These Rules are very useful for accurately measuring the distance between two fixed points. When extended to required length, the section may be secured by the set screw.

To read this Rule add to the number of feet indicated by large figure, nearest left end of Rule, the inches and fractions of inches exposed from under left hand end of the upper section.

Sizes,	2-4 ft.	3-6 ft.	4-8 ft.	5-10 ft.	6-12 ft.
Each,	$0 67	75	84	1 00	1 25

SHIP CARPENTERS' BEVELS

Rule No. 42

42	Boxwood, Double Tongue, 8ths and 16ths of inches,	$0 34

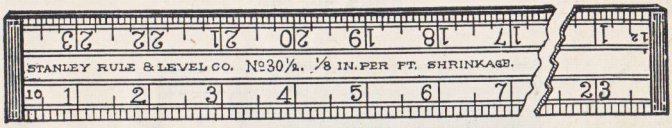
BOXWOOD, TWO FEET, SIX FOLD

58	Arch Joint, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, ¾ in. wide,	55
58½	Arch Joint, Bound, 8ths, 10ths, 12ths and 16ths of inches, ¾ in. wide,	1 50

STANLEY RULE AND LEVEL CO.

PATTERN MAKERS' SHRINKAGE RULES

We call particular attention to our Shrinkage Rules, for reason of their general design and appearance, finish, method of graduation and superior style of marking.



Cut Shows Style Nos. 30, 30½

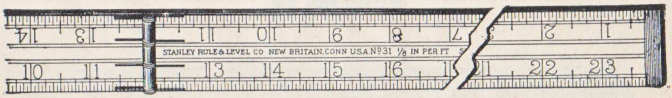
No.		Each
30	Pattern Makers' Shrinkage Rule, Boxwood, 8ths and 16ths of inches, 1¼ in. wide, 24¼ in. long, ⅛ in. shrinkage per foot,	**$1 25**

30½ Shrinkage Rule, 1½ in. wide, lengths as below:

Extreme length,	24⅛	24 2/12	24 2/10	24 3/16	24¼	24⅜	24½ in.
Shrinkage per ft.	1/16	1/12	1/10	3/32	⅛	3/16	¼ in.

1 50

TWO FOLD



Cut Shows Style Nos. 31, 31½

No.		Each
31	Pattern Makers' Shrinkage Rule, Two Fold, 8ths and 16ths of inches, 1 5/16 in. wide, 24¼ in. long, ⅛ in. shrinkage per foot,	**1 50**

31½ Shrinkage Rule, 1½ in. wide, Jointed, Two Fold, lengths as below:

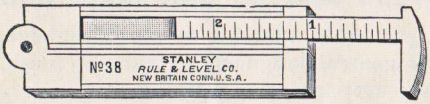
Extreme length,	24⅛	24 2/12	24 2/10	24 3/16	24¼	24⅜	24½ in.
Shrinkage per ft.	1/16	1/12	1/10	3/32	⅛	3/16	¼ in.

1 75

In ordering either No. 30½ or No. 31½ be sure to give both No. of Rule and Shrinkage per foot desired.

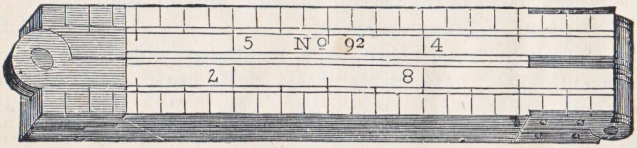
No. 30½ and No. 31½ Rules are regularly graduated in 8ths, 10ths, 12ths and 16ths of inches, but will be furnished in 8ths and 16ths, only, if so ordered.

STANLEY RULE AND LEVEL CO.

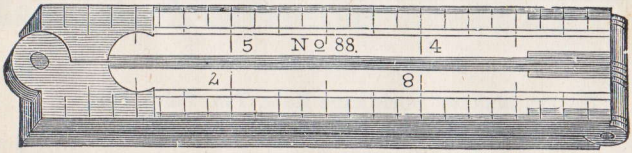


RULE No. 38

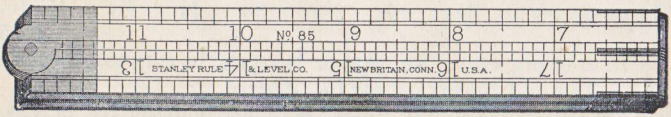
RULE No. 40



RULE No. 92



RULE No. 88



RULE No. 85

IVORY CALIPER, SIX INCH

No.		Each
38	Square Joint, German Silver, Two Fold, 8ths, 10ths, 12ths and 16ths of inches, 7/8 in. wide,	$1 25
40½	Square Joint, German Silver, Bound, Two Fold, 8ths and 16ths of inches, 5/8 in. wide,	2 00

IVORY CALIPER, ONE FOOT, FOUR FOLD

39	Square Joint, German Silver, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, 7/8 in. wide,	3 17
40	Square Joint, German Silver, Bound, 8ths and 16ths of inches, 5/8 in. wide,	3 67

IVORY, ONE FOOT, FOUR FOLD

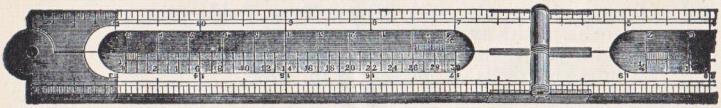
90	Round Joint, Brass, Middle Plates, 8ths and 16ths of inches,	84
92½	Square Joint, German Silver, Middle Plates, 8ths and 16ths of inches, 5/8 in. wide,	1 17
92	Square Joint, German Silver, Edge Plates, 8ths and 16ths of inches, 5/8 in. wide,	1 42
88½	Arch Joint, German Silver, Edge Plates, 8ths and 16ths of inches, 5/8 in. wide,	1 75
88	Arch Joint, German Silver, Bound, 8ths and 16ths of inches, 5/8 in. wide,	2 67
91	Square Joint, German Silver, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, 3/4 in. wide,	1 92

IVORY, TWO FEET, FOUR FOLD

85	Square Joint, German Silver, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, 7/8 in. wide,	4 50
86	Arch Joint, German Silver, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, 100ths foot, Drafting Scales, 1 in. wide,	5 34
87	Arch Joint, German Silver, Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide,	6 67
89	Double Arch Joint, German Silver, Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide,	7 67
95	rch Joint, German Silver, Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 3/8 in. wide,	8 50
97	Double Arch Joint, German Silver, Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 3/8 in. wide,	9 67

STANLEY RULE AND LEVEL CO.

ARCHITECTS' RULE



BOXWOOD

No.		Each
53½	Arch Joint, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, with inside Beveled Edges, and Architects' Drafting Scales, 1 in. wide,	$0 67

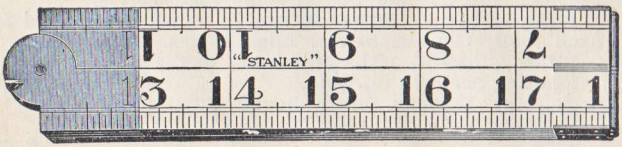
IVORY

86½	Arch Joint, German Silver, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, with inside Beveled Edges, and Architects' Drafting Scales, 1 in. wide,	8 00

This style of Rules has become very popular in the last few years. When closed the Rule has the same appearance as an ordinary folding pocket Rule, and can be used as such.

The cut shows the Rule opened. The Beveled Edges are divided into Drafting Scales of ⅛, ¼, ⅜ and ½ inches to the foot.

STANLEY BLINDMAN'S RULE



The above cut is made to scale and illustrates the design and size of figures used on our Blindman's Rule.

These Rules are made for use by persons with poor eyesight or when working in poorly lighted places.

No.		Each
7	1⅜ inches wide,	$0 92

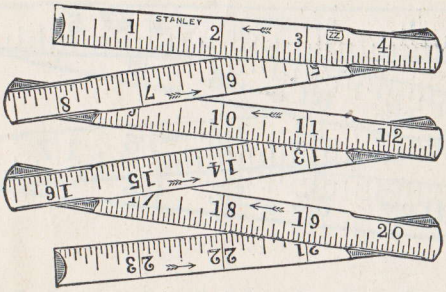
STANLEY RULE AND LEVEL CO.

ZIG-ZAG RULES

All styles of these rules are made of flexible hard wood.

With the exception of the extension pattern, they can be furnished in either a yellow or white enamel finish.

NARROW ZIG-ZAG RULES



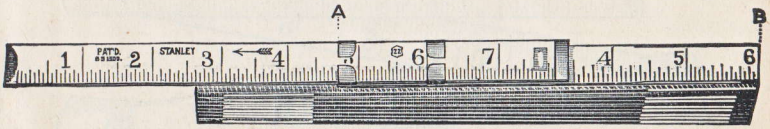
FOUR INCH FOLD, CONCEALED JOINT, YELLOW ENAMEL

No.	302	303	304	
Length,	2	3	4	feet
Each,	$0 31	46	61	

FOUR INCH FOLD, CONCEALED JOINT, WHITE ENAMEL

No.	602	603	604	
Length,	2	3	4	feet
Each,	$0 39	58	77	

STANLEY EXTENSION ZIG-ZAG RULES, CONCEALED JOINT



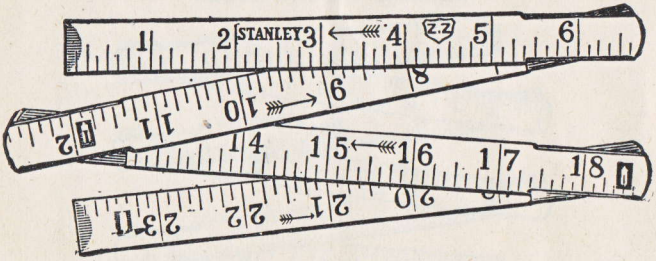
When using the slide, take the inches at point "B" and add to these the exact measurement shown on the slide at joint "A," which will give the distance measured.

With the use of this extension slide **exact inside** measurements may be readily obtained.

No.	204	206	
Length,	4	6	feet
Each,	$0 65	83	

STANLEY RULE AND LEVEL CO.

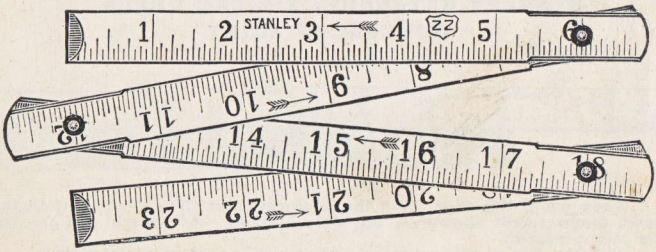
ZIG-ZAG RULES, CONCEALED JOINT



In this type of rule there is no hole through the wood. Each joint contains a stiff spring which holds the rule rigid when open.

These rules are furnished with patented strike plates on each section which prevent the wearing away of the graduations when opening and closing the rule.

ZIG-ZAG RULES, RIVET JOINT



In these Rules the rivet is carried through both wood and joint.

The joint is of tempered Steel and of itself forms a spring which holds the Rule rigid when opened.

The form of the rivet is such that it acts as a strike plate.

ZIG-ZAG RULES.

SIX INCH FOLD, CONCEALED JOINT, YELLOW ENAMEL

No.	02	03	04	04M*	05	06	08	
Length,	2	3	4	4	5	6	8	feet
Each,	$0 19	28	37	37	46	55	74	

SIX INCH FOLD, CONCEALED JOINT, WHITE ENAMEL

No.	102	103	104	104M*	105	106	108	
Length,	2	3	4	4	5	6	8	feet
Each,	$0 23	35	46	46	58	69	92	

SIX INCH FOLD, RIVET JOINT, YELLOW ENAMEL

No.	402	403	404	404M*	405	406	408	
Length,	2	3	4	4	5	6	8	feet
Each,	$0 17	25	34	34	42	50	67	

SIX INCH FOLD, RIVET JOINT, WHITE ENAMEL

No.	502	503	504	504M*	505	506	508	
Length,	2	3	4	4	5	6	8	feet
Each,	$0 21	32	42	42	53	63	84	

*No. 04M, 104M, 404M, and 504M have Metric Graduations on one side running full length of the Rule, 4 feet.

STANLEY RULE AND LEVEL CO.

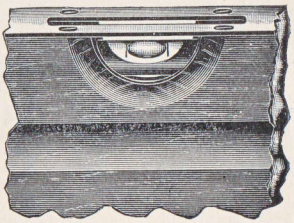
PLUMBS AND LEVELS

In the following pages we show the most complete line of Levels, both Iron and Wood, that has ever been manufactured by any maker in the United States.

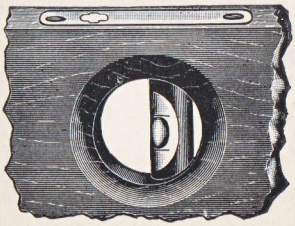
We guarantee that all the wood used in the stocks of our Levels has been thoroughly seasoned.

All of our Levels are fitted with the "Proved Level Glasses" described on page 21, with the exception of our special "Ground Glass Levels."

The prices given for Levels cover any length in which that No. is made. Lengths always increase by two inches. In the lists we give the extreme lengths in which the various Nos. are made.



The two cuts at the side show a form of setting level and plumb glasses which we now use in all wood levels.



It will be noted that the glasses are mounted in Brass, and so located that the bubble may be readily seen from either side or from below in overhead work.

STANLEY RULE AND LEVEL CO.

PROVED LEVEL GLASSES

These Glasses are made of extra thick tubing. By a patented process each Level Glass is marked at its central and crowning point by two indelible lines; and each Plumb Glass with a single line.

Should a Level Glass be broken the owner will find these lines a great assistance in setting a new glass in its proper position.

These Glasses are furnished with all our Levels, except those having Ground Glasses.

Single Level Glasses can be furnished as follows:

Length,	1	1¼	1½	1¾	2	2½	3	3½	4	4½ in.
Each,	$0 10	10	10	10	10	10	15	15	15	15

GROUND LEVEL GLASSES

The inside surfaces of these Glasses are ground absolutely smooth and true and thus the bubble is made extremely sensitive. The bubble in these Glasses is considerably longer than in the "Proved Glasses." The same system for marking is used on these Glasses as explained in the description of "Proved Glasses" given above.

The cost of Ground Glasses has been greatly reduced during the last few years, and any mechanic having a good Level Stock can insert a Ground Glass in the old stock at a moderate expense.

Single Level Glasses can be furnished as follows:

Length,	1	1¼	1½	1¾	2	2½	3	3½	4	4½ in.
Each,	$0 42	42	42	42	50	55	59	63	67	75

"HANDY" GRIP

We call particular attention to the shallow groove cut on each side of the stock of our Wood Levels. This groove we term the "Handy" Grip. In climbing ladders, walking on staging or the frame of a building, this peculiar form of Level Stock gives a feeling of steadiness to the workman who carries it, to say nothing of the decreased chance of dropping it. All of our Wood Levels are made with the "Handy" Grip.

Cut Showing Style of Nos. 102, 103

Cut Showing Style of Nos. 0, 00, 104, 1½

Cut Showing Style of Nos. 0, 01

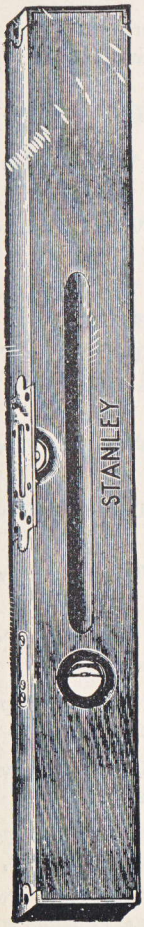
STANLEY RULE AND LEVEL CO.

NON-ADJUSTABLE PLUMBS AND LEVELS

There are still many people who prefer a Plumb and Level, where both the plumb and level glasses are set solid in plaster, rather than the adjustable type.

In the list of Levels offered below the glass is so set.

No.		Each
102	Levels, Arch Top Plate, Two Side Views, Polished, 10 to 16 inches,	$0 43
103	Levels, Arch Top Plate, Two Side Views, Polished, 18 to 24 inches,	54
1½	Mahogany Plumb and Level, Arch Top Plate, Two Side Views, Polished, 18 to 24 inches,	1 16
1¾	Mahogany Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Polished and Tipped, 12 to 18 inches,	1 23
104	Plumb and Level, Arch Top Plate, Two Side Views, Polished, 12 to 18 inches,	64
00	Plumb and Level, Arch Top Plate, Two Side Views, Polished, 18 to 22 inches,	73
0	Plumb and Level, Arch Top Plate, Two Side Views, Polished, 24 to 30 inches,	83
01	Mahogany Plumb and Level, Arch Top Plate, Two Side Views, Polished, 24 to 30 inches,	1 23
02	Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Polished, 24 to 30 inches,	1 10
03	Plumb and Level, Arch Top Plate, Two Side Views, Polished and Tipped, 24 to 30 inches,	1 23
04	Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Polished and Tipped, 24 to 30 inches,	1 58
011	Rosewood Plumb and Level, Arch Top Plate, Two Ornamental Brass Lipped Side Views, Polished and Tipped, 24 to 30 inches,	3 34



No. 3

Cut Showing Style of Nos. 5, 9, 10, 11

STANLEY RULE AND LEVEL CO.

ADJUSTABLE PLUMBS AND LEVELS

These Levels have proved Level Glasses.

Each Glass is set in a Metal Case and held in place by plaster.

The Metal Case is hinged at one end to the top plate, and held in place at the other end by a screw.

A Spiral Spring at each end of this metal case, under the top plate, holds the metal case as set and renders a very delicate adjustment possible. Should the Level require adjusting, a turn of the screw will effect the necessary corrections. A cap covers the head of the adjusting screw to prevent any unnecessary turning of the screw.

No.		Each
1	Patent Adjustable Mahogany Plumb and Level, Arch Top Plate, Two Side Views, Polished, 24 to 30 inches,	$1 65
2	Patent Adjustable Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Polished, 24 to 30 inches,	1 23
3	Patent Adjustable Plumb and Level, Arch Top Plate, Two Side Views, Polished and Tipped, 18 to 30 inches,	1 38
4	Patent Adjustable Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Polished and Tipped, 24 to 30 inches,	1 60
5	Patent Adjustable Plumb and Level, Triple Stock, Arch Top Plate, Two Ornamental Brass Lipped Side Views, Polished and Tipped, 24 to 30 inches,	1 88
6	Patent Adjustable Mahogany Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Polished, 24 to 30 inches,	1 98
9	Patent Adjustable Mahogany Plumb and Level, Arch Top Plate, Two Ornamental Brass Lipped Side Views, Polished and Tipped, 24 to 30 inches,	2 30
10	Patent Adjustable Mahogany Plumb and Level, Triple Stock, Two Ornamental Brass Lipped Side Views, Arch Top Plate, Polished and Tipped, 24 to 30 inches,	2 70
11	Patent Adjustable Rosewood Plumb and Level, Arch Top Plate, Two Ornamental Brass Lipped Side Views, Polished and Tipped, 24 to 30 inches,	3 59

No. 18

No. 20

Cut Showing Style of Nos. 25, 30, 50

STANLEY RULE AND LEVEL CO.

VICTOR PLUMBS AND LEVELS

In these Levels, the same construction for setting the Glasses both for the Plumb and the Level is used as in our Ground Glass Level, fully described on page 31.

No.		Each
17	Selected Cherry Plumb and Level, Square Top Plate, Polished Side Views, with Proved Glasses, 24 to 30 inches,	$1 50
18	Selected Cherry Plumb and Level, Square Top Plate, Polished Side Views, Tipped, with Proved Glasses, 24 to 30 inches,	1 75
19	Selected Rosewood Plumb and Level, Square Top Plate, Two Brass Lipped Side Views, Tipped, with Proved Glasses, 24 to 30 inches,	3 50
20	Masons' Plumb and Level, Selected Cherry, Square Top Plate, Two Plumbs, Two Brass Lipped Side Views, 42 inches,	2 50

DUPLEX PLUMBS AND LEVELS

These Levels have the ordinary form of leveling glass, set in the top surface of the Stock. For any users where an observation of the glass, *sidewise*, may be found convenient, an additional leveling glass is set in the side, at the opposite end from the Plumb. Both glasses are protected by Brass Discs, can be seen from either side, and are inserted in the Level with the least possible removal of wood from the Stock.

25	Patent Adjustable Plumb and Level, Mahogany, Arch Top Plate, Improved Duplex Side Views, Polished, Tipped, 24 to 30 inches,	2 17
30	Patent Adjustable Plumb and Level, Cherry, Arch Top Plate, Improved Duplex Side Views, Polished, Tipped, 24 to 30 inches,	1 67
50	Patent Adjustable Plumb and Level, Cherry, Triple Stock, Arch Top Plate, Improved Duplex Side Views, Polished, Tipped, 24 to 30 inches,	2 17

Cut Showing Style of Nos. 45 and 45½.

Cut Showing Style of Nos. 7, 7½ and 8

Cut of No. 35

MASONS' PLUMBS AND LEVELS

Nos. 7, 7½, 8, 20, 45, 45½, 70, and 80 have two Plumb Glasses set in separate holes; but each on the right hand side. This will enable the workman to plumb work below where he stands, or above him, without turning the Level Stock end for end, which is found to be a great convenience.

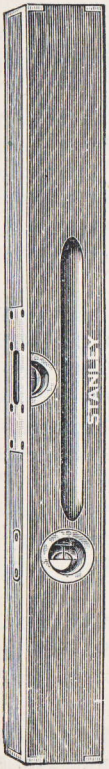
No.		Each
7	Masons' Plumb and Level, Arch Top Plate, Two Plumbs, Two Side Views, Polished and Tipped, 36 inches,	$1 80
7½	Masons' Plumb and Level, Arch Top Plate, Two Plumbs, Two Side Views, Polished, 36 inches,	1 58
8	Masons' Plumb and Level, Arch Top Plate, Two Plumbs, Two Side Views, Polished, 42 inches,	1 80
20	Masons' Plumb and Level, Selected Cherry, Square Top Plate, Two Plumbs, Two Brass Lipped Side Views, 42 inches,	2 50
45	Adjustable Masons' Plumb and Level, adapted also for Plumb Bob and Line, Square Top Plate, Two Brass Lipped Side Views, Two Plumbs with Proved Glasses, 48 inches long, 1⅜ inch thick,	3 00
45½	Adjustable Masons' Plumb and Level, adapted also for Plumb Bob and Line, Square Top Plate, Two Side Views, Polished, Two Plumbs with Proved Glasses, 48 inches long, 1 1/16 inch thick,	3 00
35	Adjustable Masons' Plumb and Level, adapted also for Plumb Bob and Line, 42 inches,	1 75

WITH GROUND GLASSES

70	Mahogany Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Two Plumbs, with Ground Glasses, 36 inches,	3 75
80	Mahogany Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Two Plumbs, with Ground Glasses, 42 inches,	4 17

Cut of No. 98.

Cut of No. 90



Cut Showing Style Nos. 95. 96

Cut showing Style Nos. 70, 80

STANLEY RULE AND LEVEL CO.

PLUMBS AND LEVELS WITH GROUND GLASSES

The Ground Level Glass is accurately fitted in a brass case and the only plaster used is that necessary to plug the end of this case.

This brass case is fastened by a screw at each end, directly to the stock of the Level and is entirely independent of the Top Plate.

When a change of adjustment is necessary the same can be readily adjusted by means of the screw mentioned above.

When new Glasses are required, they are generally set in the brass case at the factory, and it is a very simple matter for the owner to replace the brass case in the stock of the Level.

We offer these Levels as the highest type of wood Level which has ever been placed before a mechanic. The increased demand for a Level of the highest grade originally induced us to manufacture this line, and their sale has far exceeded our expectations.

When requiring a new Level, ask your dealer to show you a "Stanley Ground Glass Level."

No.		Each
60	Mahogany Plumb and Level, Square Top Plate, Two Brass Lipped Side Views, with Ground Glasses, 24 to 30 inches,	$2 92
90	Mahogany Plumb and Level, Square Top Plate, Two Brass Lipped Side Views, Tipped, with Ground Glasses, 24 to 30 inches,	3 25
95	Brass Bound, Mahogany Plumb and Level, Two Brass Lipped Side Views, with Ground Glasses, 24 to 30 inches,	6 00
96	Brass Bound, Rosewood Plumb and Level, Two Brass Lipped Side Views, with Ground Glasses, 24 to 30 in.,	6 67

MACHINISTS'

Brass Bound, Rosewood Plumb and Level, Two Brass Lipped Side Views, with Grouud Glasses,

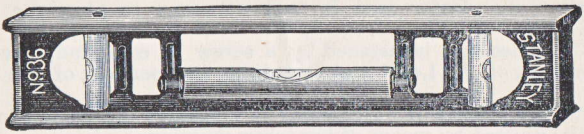
98	Sizes,	6 in.	9 in.	12 in.	18 in.
	Each,	$2 17	2 67	3 17	4 17

MASONS'

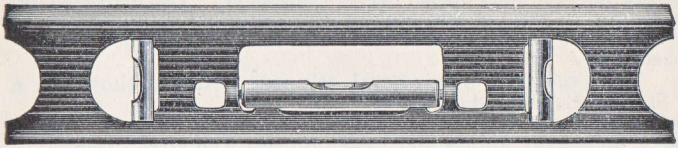
70	Mahogany Plumb and Level, Square Top Plate, Two Brass Lipped Side Views, Two Plumbs, with Ground Glasses, 36 inches,	3 75
80	Mahogany Plumb and Level, Square Top Plate, Two Brass Lipped Side Views, Two Plumbs with Ground Glasses, 42 inches,	4 17

STANLEY RULE AND LEVEL CO.

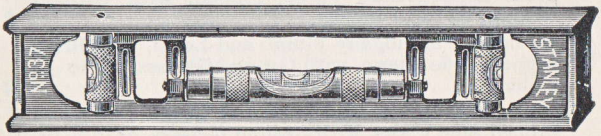
METALLIC PLUMBS AND LEVELS



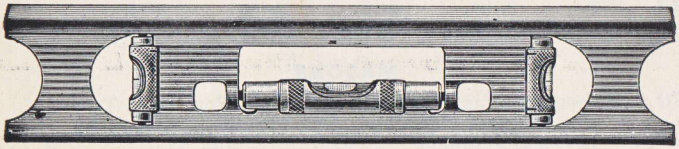
No. 36
Style of 6 and 9 inch



No. 36
Style of 12, 18 and 24 inch



No. 37
Style of 6 and 9 inch



No. 37
Style of 12, 18 and 24 inch

METALLIC PLUMBS AND LEVELS

Both the Plumb and Level Glasses are set in a metal case. The bottom of each case is machined so as to fit accurately on supports cast in the frame of the Level. The case is held firmly on the supports by means of cone centres which engage each end of the case. The centre lines of the case and the cones are eccentric. The metal case is readily removed from the Frame by slackening the cone centres. It is possible to adjust these Levels or to accurately insert new glasses by placing paper between the case and its supports. These Levels are now being made in such quantities that they are offered for sale at a price making them available to all.

No.
36 Japanned, Nickel-plated Trimmings, with Proved Glasses, Two Plumbs.

Sizes,	6	9	12	18	24 inch.
Each,	$1 25	1 50	1 75	2 00	2 25

No. 37 Level is of the same general design as the No. 36 described above, but has certain improved features.

The special features being that it is fitted with Ground Glasses, the Glasses are protected by Eclipse Cases and the Level is Nickel-plated throughout.

37 Nickel-plated, with Ground Glasses and Eclipse Cases, Two Plumbs.

Sizes,	6	9	12	18	24 inch.
Each,	$2 00	2 50	3 00	3 50	4 00

☞Either of above will be furnished with groove cut in bottom (for working shafting, etc.) if so ordered, without extra charge. See page 34.

ECLIPSE LEVELS

No. 34

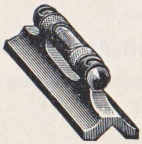
These Levels are furnished with Ground Glasses. The Glass is fitted in a metal case and the only plaster used is that necessary to fill the ends of the case. An outer shell is fitted over this case, and when the Level is not in use this shell can be turned so as to completely protect the Glass from damage. This shell is termed by us an "Eclipse Case." The Case is screwed on to a substantial metal base. The Level may be adjusted by means of these screws. The case and base are Nickel-plated.

In ordering new Glasses, it is well to detach the case from the base and then have new Glass fitted into the case at our factory.

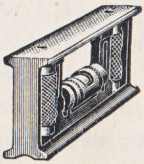
No.
34 Nickel-plated with Ground Glass.

Size,	4	6	8	10 inch.
Each,	$1 25	1 50	2 00	2 50

SHAFTING LEVELS



No. 34V



No. 37G

Cuts above show the No. 34 Level with "V" bottom, and the No. 37 Level with grooved bottom.

These Levels are very convenient for leveling up shafting, piping, etc., and are equally useful on flat surfaces.

Levels No. 34 with "V" bottom, and Nos. 36 and 37 with grooved bottoms will be furnished at the same prices as the same levels with flat bottoms, but in ordering use the Nos. 34V, 36G, or 37G, respectively.

STANLEY RULE AND LEVEL CO.

HEXAGON POCKET LEVELS

LEVEL No. 31

No.
31 Hexagon Pocket Levels, Nickel-plated, Proved Glasses.

Length	2	2½	3	3½	4	4½ inches.
Each,	$0 33	35	43	50	60	65

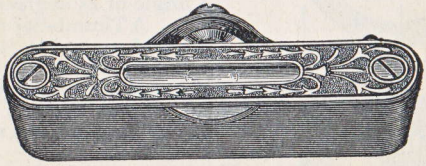
MACHINISTS' IRON LEVELS

LEVEL No. 39½

These are very good Iron Levels sold at a low price. The Glass is set in plaster inside of an iron case. The Iron Top Plate is entirely separate from the Glass.

		Each
38½	Iron Level, Nickel plated, 4 inches long,	$0 42
39½	Iron Level, Nickel-plated, 6 inches long,	50

POCKET LEVELS



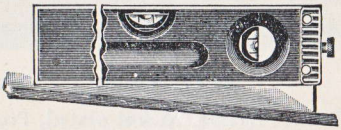
LEVEL No. 41

These are very handy little tools. They can easily be attached to any straight edge.

40	Iron Body, Iron Top Plate, Japanned, 3¼ inches,	$0 13
41	Iron Body, Japanned, Brass Top Plate, 3¼ inches.	14
42	Brass Body, Brass Top Plate, 3¼ inches,	48

PITCH ADJUSTER

FOR IRON AND WOOD LEVELS



This device can be readily attached to any Iron or Wood Level and securely fastened in place by means of a thumb screw.

The bottom of its frame should set flush with the bottom of the Level.

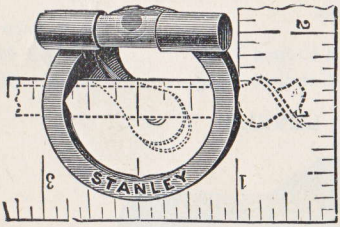
The slide is adjusted by a screw and when set can be locked in place by a set screw.

One edge of slide is graduated and a reading to determine pitch is taken from bottom of slide to bottom of frame.

The slide is adjustable for 1½ inch.

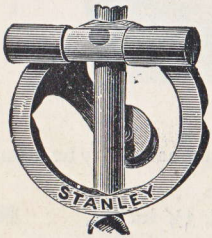
No.		Each
5	Pitch Adjuster for Wood Levels,	$1 00
7	Pitch Adjuster for Iron Levels,	1 00

PATENT BIT AND SQUARE LEVEL



The frame of this Level has three pairs of V slots on its back edges. The shank to a Bit will lie in these slots, either parallel with the bubble-glass, at an exact angle to it, or at an angle of 45 degrees.

A Thumb-Screw secures the Level to the Bit, in either position; and boring can be done with perfect accuracy as to perpendicular, horizontal or angle of 45 degrees, by observing the bubble-glass while turning the Bit.

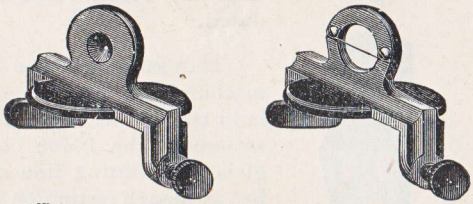


The frame can also be attached to a Carpenter's Square. Two shoulders rest on the top of the horizontal leg to the square, thus making it an accurate Spirit-level. The upright leg of the square will indicate an exact Plumb line.

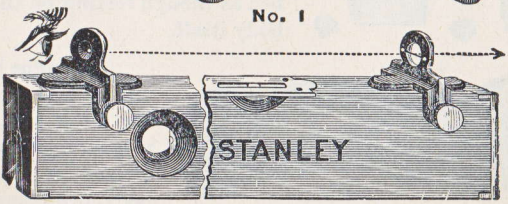
44 Bit and Square Level, Brass Frame, **30**

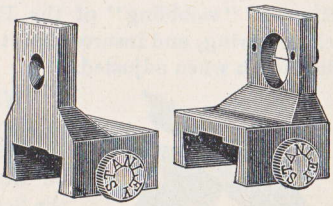
IMPROVED LEVEL SIGHTS

By the use of these ingenious devices, which can be attached to any Level, the owner has a convenient and accurate means for leveling, from one given point to another at a long distance away. When not in use the Level Sights are easily detached, and can be packed away in a small space for future use.

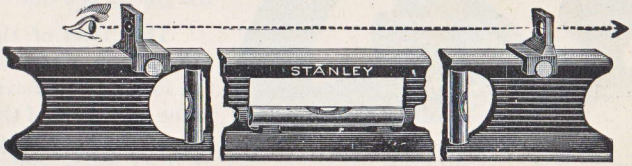


No. 1





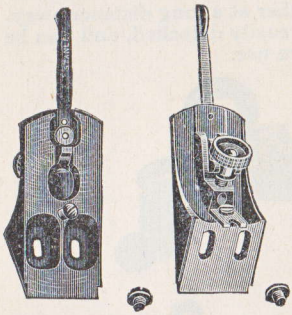
No. 2



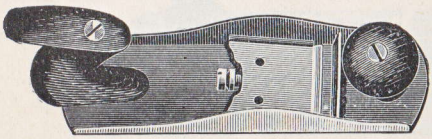
No.		Each
1	Improved Level Sights, for Wood Levels, per pair,	$0 75
2	Improved Level Sights, for Iron Levels, per pair,	75

BED ROCK PLANES

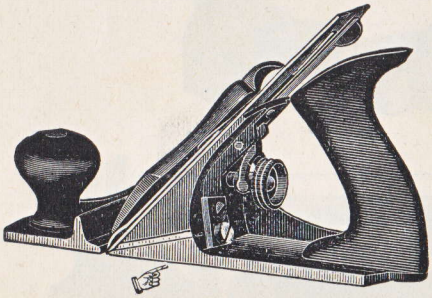
A style of Iron Bench Plane, the perfect design of which allows a combination of the utmost solidity with more adjustment than any Bench Plane ever produced.



Both surfaces of the Frog are machined and the bottom surface is in contact with the machined surface of the Plane body, thus giving the Cutting Iron as solid a bed as though resting on the Plane body itself.



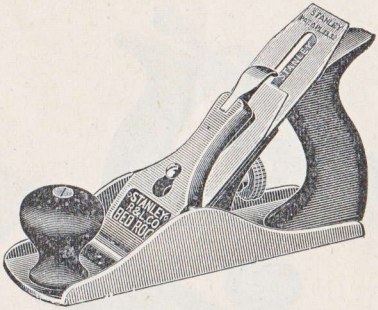
A Tongue is made on the bottom side of the Frog and a corresponding groove is formed in the Plane body, overcoming any possibility of shifting or "wobbling" of the Frog. This also makes the Frog self-centering, and insures that it moves at a true right angle with the mouth when adjusted.



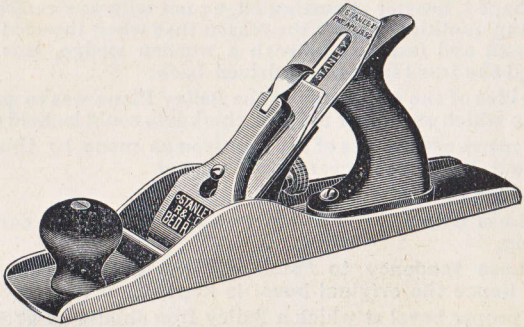
When it is desired to open or close the Throat, it can easily be done by turning the Screw indicated by the ☞ in the Cut.

The Heel of the Plane Iron rests on the Frog. The Bevel is the only part of the Plane Iron not so supported. Ask your dealer to show you one of these Tools, which you will know by the Cap. See cuts opposite page.

BED ROCK PLANES



No.			Each
602	Smooth,	7 inches in Length, 1⅝ inch Cutter,	$2 35
603	Smooth,	8 inches in Length, 1¾ inch Cutter,	2 55
604	Smooth,	9 inches in Length, 2 inch Cutter,	2 75
604½	Smooth,	10 inches in Length, 2⅜ inch Cutter,	3 20
605	Jack,	14 inches in Length, 2 inch Cutter,	3 20
605½	Jack,	15 inches in Length, 2¼ inch Cutter,	3 60
606	Fore,	18 inches in Length, 2⅜ inch Cutter,	3 85
607	Jointer,	22 inches in Length, 2⅜ inch Cutter,	4 60
608	Jointer,	24 inches in Length, 2⅝ inch Cutter,	5 50



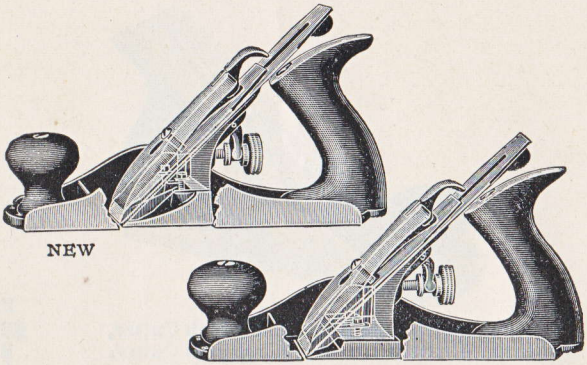
The Bed Rock Planes with CORRUGATED BOTTOMS will be furnished without additional expense, if so ordered.

Just a word about your orders.

Always give your dealer the ***number*** of the Plane you select. If you prefer a corrugated bottom it is only necessary to put the letter C after the number, as 604C, and he will know exactly what you want.

For Plane Irons see page 43.

BAILEY IRON PLANES



NEW

OLD

We show herewith all the recent improvements in the celebrated Bailey Iron Plane. Before mentioning these in detail, however, we wish to say a few words about Plane Irons.

PLANE IRONS.

From early times the method of making Plane Irons was wedge shaped, heavier at cutting edge ; not with any reference to the cutting qualities, but for the reason that when inserted in the Plane Stock and fastened in with a wooden wedge, this shape prevented the Irons from being driven back.

One idea of the originator of the Bailey Plane was to produce a Plane in which an Iron of uniform thickness could be held firmly.

The many advantages of such an Iron as made by this company, are well known to every wood worker.

1. Ease of Grinding.

2. Less Grinding, as a thin iron can be kept in condition by honing.

3. Less tendency to "stub off" the cutting edge when honing; hence the original bevel is kept much longer.

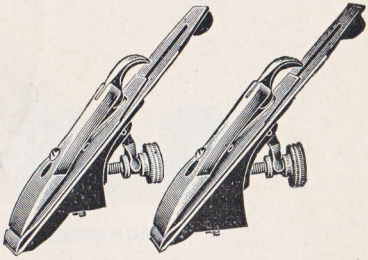
The proper bevel at which a Bailey Iron should be ground is at an angle of about 25 degrees. This gives a stiff cutting edge.

The Plane Bottom and the Frog have been redesigned.

The cut shows the Frog and Plane Bottom, both in the new and old form. The Cuts of the New Design show:

The cutter resting on the iron frog and being supported clear down to the heel of the bevel, and very close to the cutting edge.

BAILEY IRON PLANES—(Continued)



NEW OLD

Two machined cross ribs in the bottom of the Plane on which the frog is supported.

A third rib connecting these machined cross ribs.

Bosses on either side of this third rib threaded to receive the screws holding the frog in place.

The front support directly at the rear of the mouth.

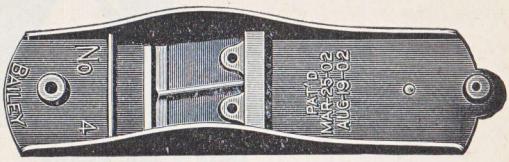
The rear support deeper than in the old design.

The bosses for the screws also quite deep and located between the front and rear supports.

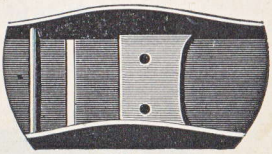
This design insures great strength and solidity throughout.

The front support being close to the mouth makes a solid bedding for frog and cutter.

The rear support being deep, greatly strengthens the sides and bottom of the Plane.



NEW



OLD

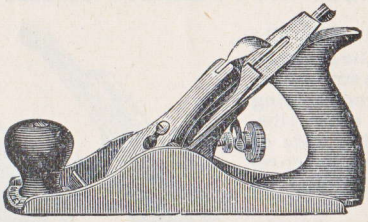
The frog screws being located between the two supports, correctly distribute the pressure between them.

The screw bosses being deep, enable a great number of screw threads to engage, thus securely holding the frog in place and preventing any possibility of the Plane being drawn out of true when face of frog is screwed up hard.

In effect the Plane is one solid piece from cap to bottom, while at the same time the frog is adjustable.

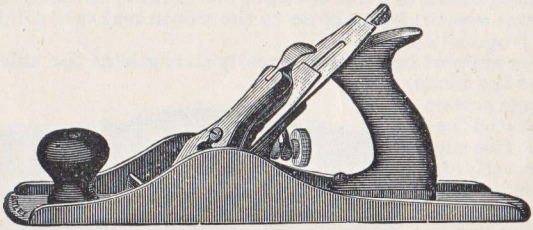
The above construction is fully covered by patents, the patent dates, the word Bailey and the number of the Plane are cast on the bottom of all Planes having these improvements. See cut of Plane bottom.

NOTE.—When ordering plane bottoms or frogs for the Bailey Iron Plane, be particular and specify whether they are for the old or new style.



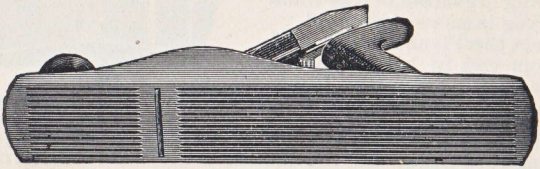
IRON SMOOTH PLANE

Style of Nos. 1, 2, 3, 4, 4½



IRON FORE PLANE

Style of Nos. 5, 5½, 6, 7, 8



IRON PLANE, CORRUGATED BOTTOM

Cut shows appearance of bottom,
Nos. 2c, 3c, 4c, 4½c, 5c, 5½c, 6c, 7c, 8c

BAILEY ADJUSTABLE IRON PLANES

No.				Each.
1	Smooth,	5½	inches in Length, 1¼ inch Cutter,	$1 65
2	Smooth,	7	inches in Length, 1⅝ inch Cutter,	2 05
3	Smooth,	8	inches in Length, 1¾ inch Cutter,	2 20
4	Smooth,	9	inches in Length, 2 inch Cutter,	2 40
4½	Smooth,	10	inches in Length, 2⅜ inch Cutter,	2 75
5	Jack,	14	inches in Length, 2 inch Cutter,	2 75
5½	Jack,	15	inches in Length, 2¼ inch Cutter,	3 15
6	Fore,	18	inches in Length, 2⅜ inch Cutter,	3 50
7	Jointer,	22	inches in Length, 2⅜ inch Cutter,	4 00
8	Jointer,	24	inches in Length, 2⅝ inch Cutter,	4 80

WITH CORRUGATED BOTTOMS

The following Iron Planes are now furnished with CORRUGATED BOTTOMS, if so ordered.

The Planes are our regular goods, with corrugations in the bottom, as illustrated on opposite page.

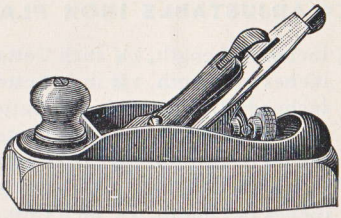
No.				Each
2c	Smooth,	7	inches in Length, 1⅝ inch Cutter,	$2 05
3c	Smooth,	8	inches in Length, 1¾ inch Cutter,	2 20
4c	Smooth,	9	inches in Length, 2 inch Cutter,	2 40
4½c	Smooth,	10	inches in Length, 2⅜ inch Cutter,	2 75
5c	Jack,	14	inches in Length, 2 inch Cutter,	2 75
5½c	Jack,	15	inches in Length, 2¼ inch Cutter,	3 15
6c	Fore,	18	inches in Length, 2⅜ inch Cutter,	3 50
7c	Jointer,	22	inches in Length, 2⅜ inch Cutter,	4 00
8c	Jointer,	24	inches in Length, 2⅝ inch Cutter,	4 80

See page 50 for list of parts.

BAILEY PLANE IRONS

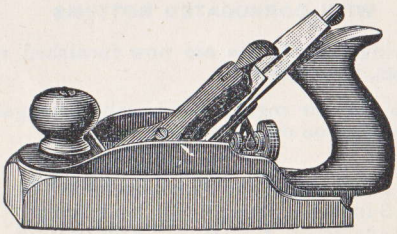
	1¼	1⅝	1¾	2	2⅛	2¼	2⅜	2⅝ inch.
Single Irons,	$0 18	21	23	25	27	28	29	32 each.
Double Irons,	32	35	38	42	45	47	48	50 each.

Orders for Plane Irons should designate the No. of the Plane for which they are wanted.



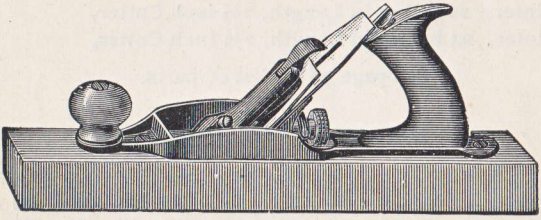
WOOD BOTTOM SMOOTH PLANE

Style of Nos. 21, 22, 23, 24 and 25



WOOD BOTTOM HANDLED SMOOTH PLANE

Style of Nos. 35 and 36



WOOD BOTTOM JACK PLANE

Style of Nos. 26 to 34

BAILEY ADJUSTABLE WOOD PLANES

When the Bailey Iron Planes were first placed on the market in the "sixties," the only Planes then in use were made with wood bottoms. Although we have sold thousands of Iron Planes there is still a large demand for a Plane with a wood bottom.

The Bottom of the Bailey Wood Plane is made from selected and well seasoned Beech, and it is particularly well adapted for use in working on certain wood. The working parts of the Bailey Wood Plane are the same as those of the Bailey Iron Plane, different only in detail, where the extra thickness of the wood bottom has to be taken into consideration.

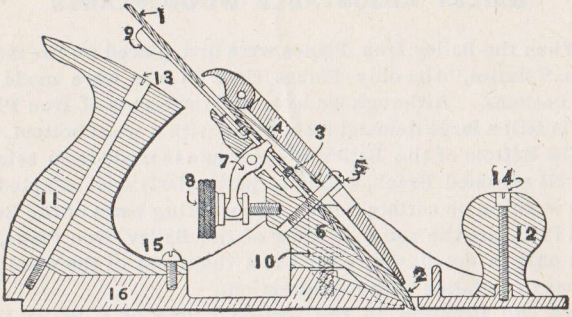
We call attention to the sectional view of a Bailey Wood Plane shown on page 46.

No.		Each
21	Smooth, 7 inches in Length, 1¾ inch Cutter	$1 50
22	Smooth, 8 inches in Length, 1¾ inch Cutter,	1 50
23	Smooth, 9 inches in Length, 1¾ inch Cutter,	1 50
24	Smooth, 8 inches in Length, 2 inch Cutter,	1 50
25	Block, 9½ inches in Length, 1¾ inch Cutter,	1 50
35	Handled Smooth, 9 inches, 2 inch Cutter,	1 90
36	Handled Smooth, 10 inches, 2⅜ inch Cutter,	2 05
37	Jenny Smooth, 13 inches, 2⅝ inch Cutter,	2 20
26	Jack, 15 inches in Length, 2 inch Cutter,	1 65
27	Jack, 15 inches in Length, 2⅛ inch Cutter,	1 90
27½	Jack, 15 inches in Length, 2¼ inch Cutter,	1 90
28	Fore, 18 inches in Length, 2⅜ inch Cutter,	2 05
29	Fore, 20 inches in Length, 2⅜ inch Cutter,	2 05
30	Jointer, 22 inches in Length, 2⅜ inch Cutter,	2 20
31	Jointer, 24 inches in Length, 2⅜ inch Cutter,	2 20
32	Jointer, 26 inches in Length, 2⅝ inch Cutter,	2 40
33	Jointer, 28 inches in Length, 2⅝ inch Cutter,	2 40
34	Jointer, 30 inches in Length, 2⅝ inch Cutter,	2 60

Top Castings for above Planes **$0 20** each.

See page 50 for List of Parts.

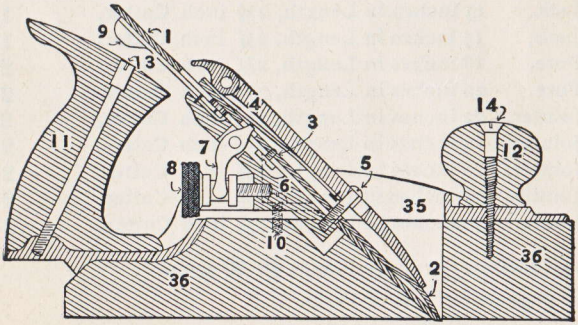
See page 43 for Price of Plane Irons.



SECTIONAL ELEVATION OF BAILEY IRON PLANE

LIST OF PARTS OF BAILEY PLANES

1 Plane Iron.
2 Plane Iron Cap
3 Plane Iron Screw.
4 Lever Cap,
5 Cap Screw.
6 Frog.
7 "Y" Adjustment.
8 Brass Adjusting Nut.
9 Lateral Adjustment.
10 Frog Screw.
11 Handle.
12 Knob.
13 Handle "Bolt and Nut".
14 Knob "Bolt and Nut".
15 Handle Screw.
16 Bottom (Iron Plane).
35 Top Casting (Wood Plane).
36 Bottom (Wood Plane).



SECTIONAL ELEVATION OF BAILEY WOOD PLANE

BAILEY ADJUSTABLE PLANES

The sectional elevations on the opposite page show the details of Design of Bailey Planes, both Iron and Wood.

The Plane Iron No. 1 is made from the best quality of *English Cast Steel*, is of equal thickness throughout, tempered and ground by an improved process, and is sharpened for immediate use when sent to market. The Plane Iron Cap No. 2 is also made from Steel, and is fastened to the Plane Iron in the usual manner by the Plane Iron Screw No. 3.

These three parts constitute what is known as the Double Plane Iron; however, when the cutting edge has been worn away, it is usually unnecessary to order any part other than the Plane Iron No. 1, if the other two parts do not show wear, as they are all interchangeable.

Our improved form of Plane Iron renders it unnecessary to detach the Cap Iron at any time, as the connecting screw will slide back to the extreme end of the slot in the Plane Iron, without the danger of falling out. The Screw may then be tightened by a turn with the thumb and finger, and the Cap Iron will serve as a convenient handle or rest in whetting or sharpening the cutting edge of the Plane Iron.

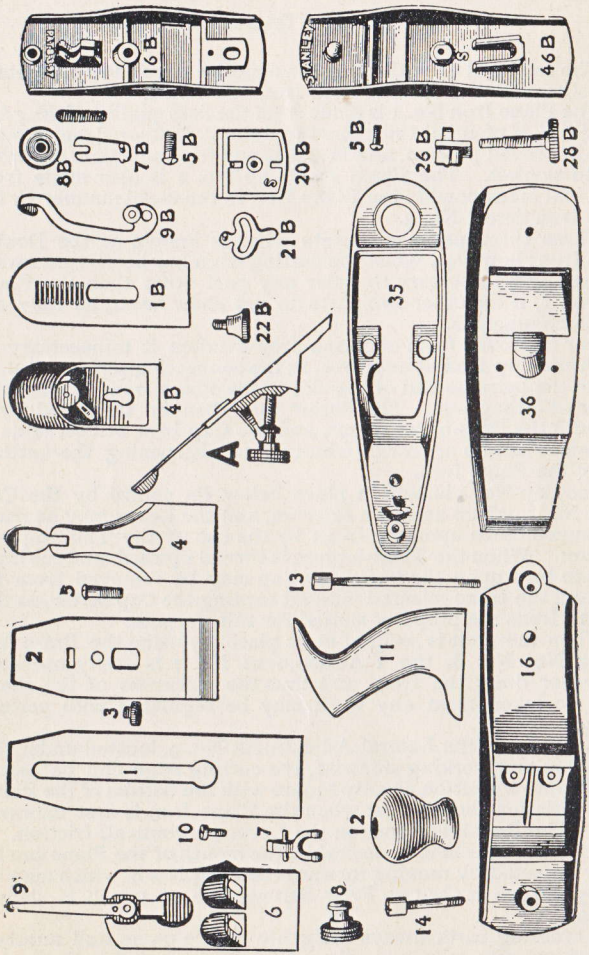
The Cap No. 4 is held in place below its centre by the Cap Screw No. 5, which acts as a fulcrum, and the Lever may be readily clamped down upon the Irons by the use of the Thumb-piece and Cam. When the Thumb-piece is turned upward, and the Cam ceases to bear upon the Irons, the Cap may be removed from its place and the Irons released without turning the Cap Screw, as the Cap and Irons are properly slotted for this purpose.

When the Iron is secured in its place, by using the Brass Adjusting Nut No. 8, the Y Adjustment No. 7 is easily operated to drive or draw the Iron, and thus the thickness of the shaving to be taken from any work may be regulated with perfect accuracy.

By means of the Lateral Adjustment No. 9, located under the Plane Iron and working sidewise, the cutting edge can be easily brought into a position exactly square with the bottom of the Plane if any variation should exist when the Plane Iron is first clamped down. The Revolving Disc on the Lever prevents all friction.

If for any reason it be desirable, the mouth of the Plane can be readily adjusted by moving forward the Frog No. 6, which may be done by the use of the two Frog Screws, one of which is shown (No. 10).

In ordering parts always designate by the name and number given on opposite page as well as the number of the Plane for which the part is wanted.



See Lists on Pages 46 and 49 for Names of Parts.

BAILEY ADJUSTABLE PLANES

LIST OF PARTS OF BLOCK PLANES

1 B	Plane Iron.	**16** B	Bottom (Adjus'ble **Throat).**
4 B	Lever Cap,	**20** B	Mouth piece.
5 B	Cap Screw.	**21** B	Eccentric Plate.
7 B	Adjusting Lever.	**22** B	Knob.
8 B	Adjusting Nut.	**26** B	Adjustable Frog.
9 B	Lateral Adjustment.	**28** B	Adjusting Screw.
		46 B	Bottom.

Numbers on page 48 *not found in above list refer to Bailey Bench Planes and will be found in list on page* 46.

The cut on the opposite page shows a collection of parts which, when assembled, form the Bailey Planes, both Iron, Wood and Block.

Each part is identified by a number. These numbers refer to the lists giving the names of the various parts. In ordering parts for any Plane, give the number and name as given in the list and also the **NUMBER ON THE PLANE** for which the parts are required.

The sectional cuts on page No. 46 show the parts assembled in the Bailey Iron and Wood Planes. The cuts of the Block Planes on page No. 48 show how the parts are assembled for this class of Plane. It will be noticed that two designs of adjustment, for Block Plane, are shown. In one, the Plane Iron rests on a support cast solid with the bottom, and is moved backward and forward on this support, by the adjusting lever 7B, which engages with the notches in the Plane Iron. In the other, the Plane Iron rests on and engages with the adjustable Frog 26B, and the position of this Adjustable Frog is directly governed by adjusting Screw No. 28B.

The collection of parts marked A consists of the No. 6 Frog, No. 7 "Y" Adjustment, No. 8 Brass Adjusting Nut and No. 9 Lateral Adjustment. These parts we term "Frog Complete," and if a "Frog Complete" is ordered, the parts are always put together before shipment from our factory.

Many of our Special Planes, *i. e.*, No. 113 Circular and No. 12 Scraper, etc., have some of the same parts as the Regular Line of Bailey Planes, and this list therefore, in many cases, will apply for ordering parts for Special Planes.

We call attention to the fact, that it is of the utmost importance to keep the cutting edge of the Plane Iron ground to the correct bevel and also to have the Cap Screw No. 5, properly tightened.

PARTS OF PLANES

See Pages No. 46 and 48

No.	Bot. (No. 16) Each	Frog Comp'te (A) Each	Cap, (A) Each	H'dle, (11) Each	Kn'b, (12) Each	Bolt & Nut, (13) Each	Ad'j'g Nut, (8) Each	Frog Screw, (10) Doz.	Cap Screw, (5) Doz.
1	$0 65	35	25	20	15	10	10	40	40
2	85	35	25	20	15	10	10	40	40
3	1 00	35	25	20	15	10	10	40	40
4	1 00	35	25	20	15	10	10	40	40
4½.....	1 20	35	25	20	15	10	10	40	40
5	1 20	35	25	20	15	10	10	40	40
5½.....	1 20	35	25	20	15	10	10	40	40
6	1 65	35	25	20	15	10	10	40	40
7	2 35	35	25	20	15	10	10	40	40
8	2 85	35	25	20	15	10	10	40	40
9	3 00	35	25	20	..	..	10	40	40
10	1 65	35	25	20	15	10	10	40	40
10½.....	1 50	35	25	20	15	10	10	40	40
11	1 20	35	25	30	..	..	10	40	40
12	1 20	35	25	35	..	..	10	40	1 20
20 and 20½	60	35	25	..	..	..	10	40	40
21	40	30	20	.	10	10	10	40	40
22	40	30	20	..	10	10	10	40	40
23	40	30	20	..	10	10	10	40	40
24	40	30	20	..	10	10	10	40	40
25	40	30	20	..	10	10	10	40	40
26	50	30	20	10	10	10	10	40	40
27	50	30	20	10	10	10	10	40	40
27½.....	50	30	20	10	10	10	10	40	40
28	70	30	20	10	10	10	10	40	40
29	70	30	20	10	10	10	10	40	40
30	80	30	20	10	10	10	10	40	40
31	80	30	20	10	10	10	10	40	40
32	85	30	20	10	10	10	10	40	40
33	85	30	20	10	10	10	10	40	40
34	85	30	20	10	10	10	10	40	40
35	40	30	20	10	10	10	10	40	40
36	50	30	20	10	10	10	10	40	40
37	70	30	20	10	10	10	10	40	40
113	60	35	25	15	..	..	10	40	40
602	1 10	50	30	20	15	10	10	40	40
603	1 25	50	30	20	15	10	10	40	40
604	1 25	50	30	20	15	10	10	40	40
604½.....	1 50	50	30	20	15	10	10	40	40
605	1 50	50	30	20	15	10	10	40	40
605½.....	1 60	50	30	20	15	10	10	40	40
606	2 20	50	30	20	15	10	10	40	40
607	3 10	50	30	20	15	10	10	40	40
608	3 50	50	30	20	15	10	10	40	40

Parts for Planes having Corrugated Bottoms, same as corresponding Planes with Smooth Bottoms.

PARTS OF PLANES—Continued

No.	Bottom, Each	Cap, Each	Fence, Each	Handle, Each	Knob, Each	Bolt & Nut, Each	Top Cast'g, Each	Depth Gauge, Each	Cutter Each
12½	$1 20	25	..	..	..	..	..	..	..
39	1 00	10	..	..	..	..	..	20	20
40	70	10	..	15	10	..	..	..	20
40½	1 00	10	..	15	10	..	..	..	25
48	2 00	10	50	..	10	..	..	..	17
49	2 00	10	50	..	10	..	..	..	17
57	2 50	15	..	15	10	..	..	..	30
71	1 00	..	..	..	15	..	..	.	30
71½	1 00	..	..	..	15	..	..	..	30
72	1 50	10	..	30	15	..	..	..	20
72½	1 50	10	..	30	15	..	..	..	20
74	3 00	30	..	1 00	..	..	..	..	32
75	15	10	..	..	..	..	15	..	10
78	1 00	10	25	..	..	..	..	20	20
85	2 00	25	..	50	25	20	..	..	20
87	1 50	25	..	30	10	20	..	..	20
90	1 00	15	..	..	..	..	75	..	30
92	1 75	15	..	..	..	..	..	..	30
93	2 10	15	..	..	..	..	..	..	30
94	2 50	15	..	..	..	..	..	..	30
97	1 25	15	..	..	15	10	..	..	30
98	60	10	..	..	..	..	..	..	20
99	60	10	..	..	..	..	..	..	20
104	85	10	..	20	15	10	..	..	27
105	1 35	10	..	20	15	10	..	..	27
112	1 20	20	..	20	15	10	..	..	20
122	40	10	..	..	10	10	30	..	23
127	45	10	..	10	10	10	30	..	27
129	70	10	..	10	10	10	30	..	29
132	85	10	..	10	10	10	30	..	32
135	40	10	..	10	10	10	30	..	27
146	1 50	10	..	..	..	..	..	.	20
147	1 50	10	..	..	..	..	..	..	20
148	1 50	10	..	..	..	..	..	..	20
180	75	10	..	..	..	..	..	20	20
181	75	10	..	..	..	..	..	20	20
182	75	10	..	..	..	..	..	20	20
190	90	10	..	..	..	..	..	20	20
191	90	10	..	..	..	..	..	20	20
192	90	10	..	..	..	..	..	20	20
340	1 00	15	..	15	10	..	..	..	30

Spurs and Screws, 50 cents per dozen.

PARTS OF PLANES—Continued

No.	Bot. (16B)	Cap, (4B)	Knob,, (22B)	Adj. Nut, (8B)	Adj. Lever, (7B)	Adj. Frog, (26B)	Adj. Screw, (28B)	Eccentric Plate, (21B)	Lat. Adj. (9B)
	Each	Each	Each	Each	Each	Each	Each	Each	Each
9½	$0 70	10	10	10	05	..	..	10	10
9¾	70	10	10	10	05	..	..	10	10
15	75	10	10	10	05	..	..	10	10
15½	75	10	10	10	05	..	..	10	10
16	70	15	10	10	05	..	..	10	10
17	75	15	10	10	05	..	..	10	10
18	70	20	10	10	05	..	..	10	10
19	75	20	10	10	05	..	..	10	10
60	60	15	10	..	..	10	10	10	..
60½	60	10	10	..	..	10	10	10	..
62	1 75	15	25	..	..	..	20	15	..
65	75	15	10	..	..	10	10	10	..
65½	75	10	10	..	..	10	10	10	..
100	15	05	..	..	..	..	..	..	..
101	10	05	..	..	..	..	..	..	..
102	15	10	..	..	..	..	..	..	..
103	20	10	..	..	..	10	..	..	..
110	25	10	10	..	..	..	..	..	..
120	30	10	10	..	..	15	..	..	..
130	35	10	10	..	..	..	..	..	..
131	80	10	15	..	..	..	30	..	..
140	75	15	15	..	..	..	10	..	..
220	30	10	10	..	..	10	10	..	..

PLOWS, ETC.

	St'k, Each	Fence, Each	Slid'g Sect. Each	Cutters in Set, Each	Depth Gauge, Each	Side Bead Gauge, Each	Spur& Screw, Doz.	Long Arms, Pair	Short Arms Pair
45	2 50	75	1 50	3 50	20	25	50	50	25
46	2 50	75	1 50	2 00	20	..	50	50	25
47	2 50	..	1 50	1 00	20	..	50	50	25
50	1 25	70	30	1 75	20	..	50	50	25
55	3 00	D 2 00 E 1 00	2 00	6 00	20	..	50	50	25
141	3 00	1 00	..	2 00	20	..	..	50	25
143	3 00	1 00	..	2 00	20	..	..	50	25

Thumb Screws, $1.50 per dozen.

For prices of Single Cutters, see list, Page 53.

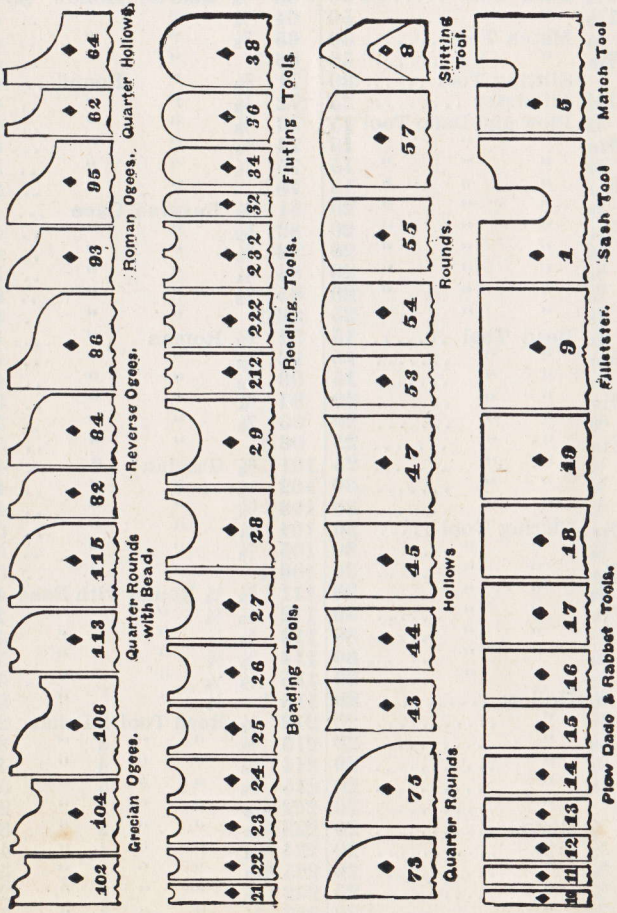
STANLEY RULE AND LEVEL CO.

CUTTERS FOR PLANES NOS. 45 AND 55

No.	Size In.	Style	Each
1	1½	Sash Tool	$0 50
2	1½	" "	50
5	¼	Match Tool	50
6	3/16	" "	50
8		Slitting Tool	30
9	1¼	Filletster	25
10	⅛	Plow and Dado Tool	15
11	3/16	" " "	15
12	¼	" " "	15
13	5/16	" " "	15
14	⅜	" " "	20
15	7/16	" " "	20
16	½	" " "	20
17	⅝	" " "	20
18	¾	" " "	20
19	⅞	" " "	25
21	⅛	Bead Tool	15
22	3/16	" "	15
23	¼	" "	15
24	5/16	" "	20
25	⅜	" "	20
26	7/16	" "	25
27	½	" "	25
28	⅝	" "	30
29	¾	" "	30
31	3/16	Fluting Tool	30
32	¼	" "	30
33	5/16	" "	30
34	⅜	" "	30
35	7/16	" "	30
36	½	" "	30
37	⅝	" "	30
38	¾	" "	30
42	⅜	Hollow	20
43	½	"	20
44	⅝	"	20
45	¾	"	20
46	⅞	"	20
47	1	"	20
52	⅜	Round	20
53	½	"	20
54	⅝	"	20
55	¾	"	20
56	⅞	"	20
57	1	"	20
61	⅜	Quarter Hollow	45
62	½	" "	45

No.	Size In.	Style	Each
63	⅝	Quarter Hollow	$0 45
64	¾	" "	50
65	⅞	" "	50
66	1	" "	50
71	⅜	" Round	45
72	½	" "	45
73	⅝	" "	45
74	¾	" "	50
75	⅞	" "	50
76	1	" "	50
81	⅜	Reverse Ogee	45
82	½	" "	45
83	⅝	" "	45
84	¾	" "	50
85	⅞	" "	50
86	1	" "	50
91	⅜	Roman "	45
92	½	" "	45
93	⅝	" "	45
94	¾	" "	50
95	⅞	" "	50
96	1	" "	50
101	⅜	Grecian "	45
102	½	" "	45
103	⅝	" "	45
104	¾	" "	50
105	⅞	" "	50
106	1	" "	50
111	⅜	¼ Round with Bead	45
112	½	¼ " "	45
113	⅝	¼ " "	45
114	¾	¼ " "	50
115	⅞	¼ " "	50
116	1	¼ " "	50
212	⅛	Reed Tool, 2 Beads	20
213	⅛	" " 3 "	30
214	⅛	" " 4 "	40
215	⅛	" " 5 "	50
222	3/16	" " 2 "	20
223	3/16	" " 3 "	30
224	3/16	" " 4 "	40
225	3/16	" " 5 "	50
232	¼	" " 2 "	20
233	¼	" " 3 "	30
234	¼	" " 4 "	40
235	¼	" " 5 "	50

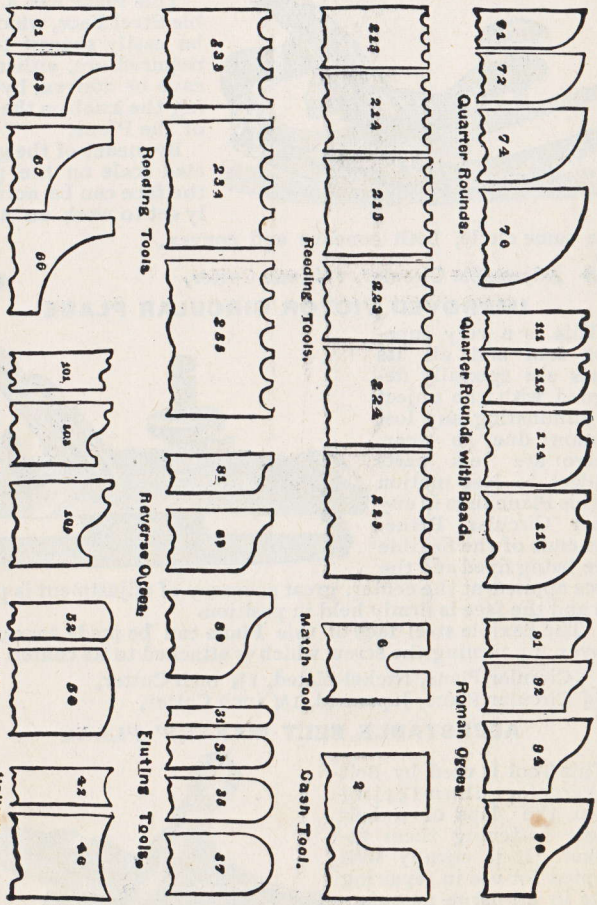
CUTTERS FOR PLANES NOS. 45 AND 55



Tools are shown one-half full size.

For prices see page 53.

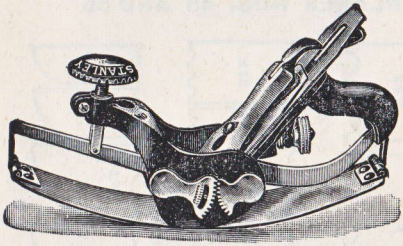
CUTTERS FOR PLANES NOS. 45 AND 55



Tools are shown one-half full size.
For prices see page 53.

STANLEY RULE AND LEVEL CO.

STANLEY ADJUSTABLE CIRCULAR PLANE

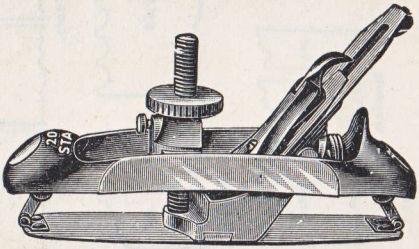


This Plane has a flexible Steel Face, which can be easily shaped to any required arc, either concave or convex, by turning the knob on the front of the Plane.

By means of the graduated scale on the gears, the face can be accurately set to work an arc of the same circle, both concave and convex.

No.		Each
113	Adjustable Circular, 1¾ inch Cutter,	**$3 00**

IMPROVED VICTOR CIRCULAR PLANE

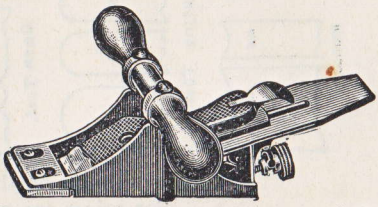


This is a very superior tool and all its parts are specially designed with the object of eliminating any lost motion due to wear. There are less parts subject to lost motion in this Plane than in any other Circular Plane. The ends of the flexible face being fixed and the force applied at the center, great accuracy of adjustment is possible and the face is firmly held in position.

The flexible steel face of this Plane can be made concave or convex, by turning the screw which is attached to its center.

20	Circular Plane, Nickel-plated, 1¾ inch Cutter,	**4 10**
20½	Circular Plane, Japanned, 1¾ inch Cutter,	**3 50**

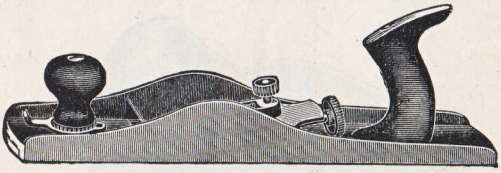
ADJUSTABLE BELT MAKERS' PLANE



This Tool is used by Belt Makers for chamfering down the laps of a belt before fastening them together. It is equally well adapted for use in repairing belts in all large manufacturing establishments.

11	Belt Makers' Plane, 2⅜ inch Cutter,	**2 20**

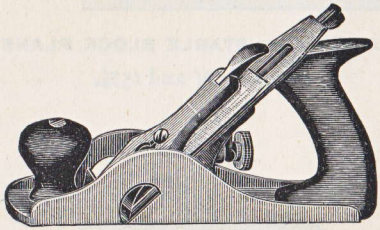
STANLEY LOW ANGLE BLOCK PLANE



This Plane is especially adapted for use in cutting across the grain on heavy work, where more power is required than can be obtained by the use of the ordinary Block Plane. The Plane is fitted with patent adjustable throat, which enables the user to work equally well on hard or soft wood.

No.		Each
62	Low Angle Block, 14 inches in Length, 2 inch Cutter,	$2 85
	Cutters for above Plane,	30

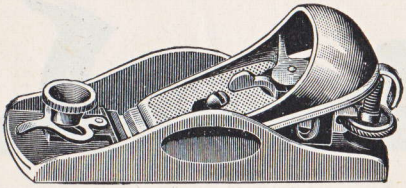
STANLEY CARRIAGE MAKERS' RABBET PLANE



10½	9 inches in Length, 2⅛ inch Cutter,	2 75
10	13 inches in Length, 2⅛ inch Cutter,	3 30

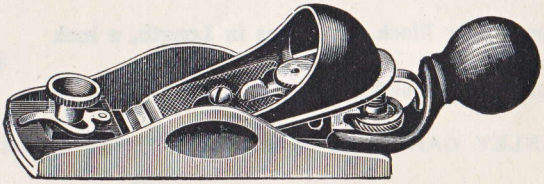
WITH CORRUGATED BOTTOM

10½c	9 inches in Length, 2⅛ inch Cutter,	2 75
10c	13 inches in Length, 2⅛ inch Cutter,	3 30
	Cutters for above Planes,	27



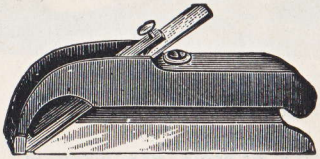
BAILEY ADJUSTABLE BLOCK PLANE

Style of 9½, 15, 16, and 17.



BAILEY ADJUSTABLE BLOCK PLANE

Style of 9¾ and 15½.



STANLEY BULL-NOSE RABBET PLANE

Style of 75.

BAILEY ADJUSTABLE BLOCK PLANES

These Block Planes stand as the highest type of Block Plane manufactured. Each Plane has an adjustable throat.

This adjustment allows the opening or closing the throat of the Plane, as coarse or fine work may require.

The adjustments for the Plane Iron are the same as those described in detail on page 47, and the Plane is also fitted with Lateral adjustment. These Planes are now made with the "Handy" feature, which gives the workman a more secure grip on the tool than is possible in any other design.

No.		Each
9½	Block Plane, 6 inches in Length, 1¾ inch Cutter,	$1 10
15	Block Plane, 7 inches in Length, 1¾ inch Cutter,	1 20
16	Nickel Trimmings, 6 in. in Length, 1¾ inch Cutter,	1 25
17	Nickel Trimmings, 7 in. in Length, 1¾ inch Cutter,	1 35
9¾	Rosewood Handle, 6 in. in Length, 1¾ inch Cutter,	1 30
15½	Rosewood Handle, 7 in. in Length, 1¾ inch Cutter,	1 40

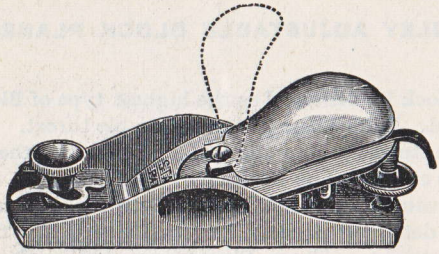
BLOCK PLANE IRONS

For Nos.	9½	15	16	17	9¾	15½
Each,	$0 17	17	17	17	17	17

Orders for Block Plane Irons should designate the No. of the Plane for which they are wanted.

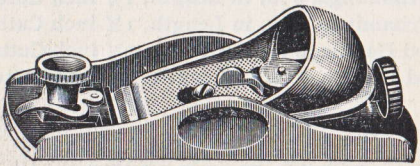
STANLEY BULL-NOSE RABBET PLANE

75	Iron Stock, 4 inches in Length, 1 in. Cutter,	40
	Cutters for above,	10



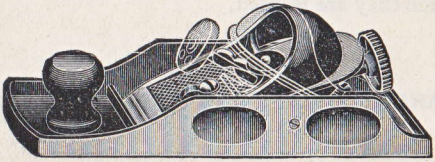
KNUCKLE JOINT BLOCK PLANE

Style of Nos. 18 and 19.



LOW ANGLE BLOCK PLANE

Style of Nos. 60, 65, 60½ and 65½.



ADJUSTABLE DOUBLE END BLOCK PLANE No. 131

KNUCKLE JOINT BLOCK PLANES

The knuckle joint in the cap makes it a lever, too; and placing the cap in position, will also clamp the cutter securely in its seat.

These Planes have the "Handy" feature, adjustable throat, Bailey adjustment and Lateral adjustment.

No.		Each
18	Nickel Trimmings, 6 in. in Length, 1¾ inch Cutter,	$1 30
19	Nickel Trimmings, 7 in. in Length, 1¾ inch Cutter,	1 40

LOW ANGLE BLOCK PLANES

These Planes have the cutters set at a very low angle, which is of great advantage when working across the grain. The adjustment is of a most approved design. These Planes have the "Handy" feature.

No.		Each
60½	Low Angle Block, 6 in. in Length, 1½ inch Cutter,	$1 10
65½	Low Angle Block, 7 in. in Length, 1¾ inch Cutter,	1 20
60	Nickel Trimmings, 6 in. in Length, 1½ inch Cutter,	1 25
65	Nickel Trimmings, 7 in. in Length, 1¾ inch Cutter,	1 35

ADJUSTABLE DOUBLE END BLOCK PLANE

This Plane has two slots and a movable Cutter Seat. When it is desired to use it as a Bull Nose Plane, the Cap and Cutter can be removed and the Adjustable Cutter Seat reversed, as indicated in cut.

No.		Each
131	Block Plane, adjustable, (Double-Ender), 8 in. in Length, 1¾ inch Cutter,	$1 50

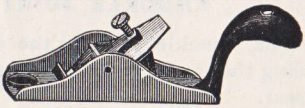
BLOCK PLANE IRONS

For Nos.	18	19	60½	65½	60	65	131
Each,	$0 17	17	17	17	17	17	17

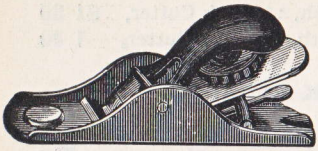
Orders for Block Plane Irons should designate the No. of the Plane for which they are wanted.

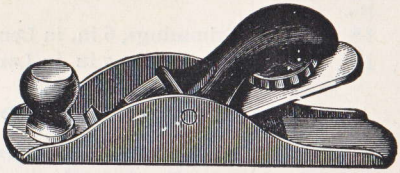
STANLEY RULE AND LEVEL CO.

STANLEY IRON BLOCK PLANE



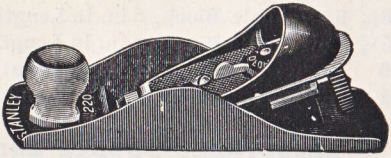
No.		Each
101	3½ inches in Length, 1 inch Cutter,	$0 20
100	Handled, 3½ inches in Length, 1 inch Cutter,	25





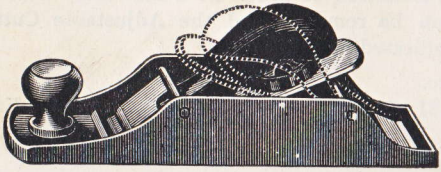
102	5½ inches in Length, 1¼ in. Cutter,	40
103	Adjustable, 5½ inches in Length, 1¼ in. Cutter,	55
110	7½ inches in Length, 1¾ in. Cutter,	55
120	Adjustable, 7½ inches in Length, 1¾ in. Cutter,	75

The adjustment of the No. 220 is of a recent design, and a great improvement over any adjustment heretofore offered on any block plane at equal price.



220 Block Plane, Adjustable, 7½ inches in Length, 1¾ in. Cutter, **75**

This Plane has two slots and two cutter seats. By reversing the position of the cutter and the clamping wedge, it can be used close up into corners, or other difficult places.



180 Block Plane (Double-Ender), 8 inches, 1¾ in. Cutter, **75**

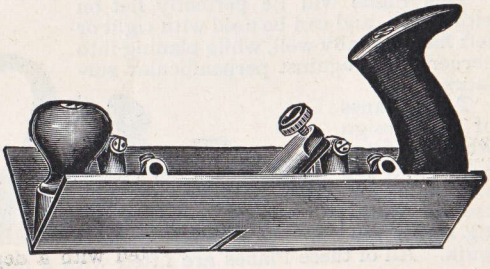
STANLEY BLOCK PLANE IRONS

For No.	100	101	102	103	110	120	130	220
Each,	$0 05	05	09	09	13	17	13	17

Orders for Plane Irons should designate the No. of the Planes for which they are wanted.

CORE-BOX PLANE

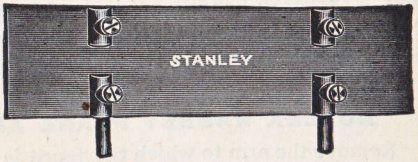
A tool much needed by Pattern Makers, Wheelwrights, and others, for planing out semi-circles. This Plane is constructed so that the sides can be extended by additional sections, 2½ inches wide, until a diameter of 10 inches can be worked, if desired.



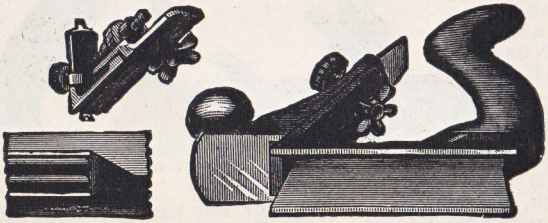
No.		Each
57	Core-Box Plane for working semi-circles, up to 5 inch diameter,	$4 40

Additional Sections for working large diameters. Each 2½ inches wide.

Per Pair, $1 00



STANLEY ADJUSTABLE CHAMFER PLANE

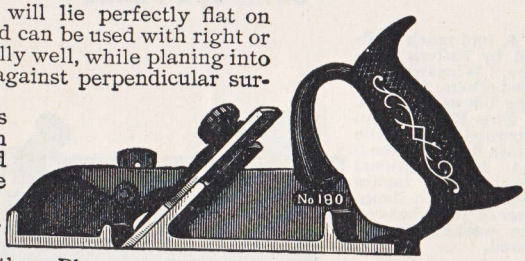


For Beading, Reeding or Moulding a chamfer, an additional attachment is furnished with six cutters, sharpened at both ends, including a large variety of ornamental forms.

72	Chamfer Plane, 9 inches in Length, 1⅝ inch Cutter,	2 20
72½	Chamfer Plane, with Beading Attachment,	3 30

IMPROVED RABBET PLANE

This Plane will lie perfectly flat on either side, and can be used with right or left hand equally well, while planing into corners or up against perpendicular surfaces.

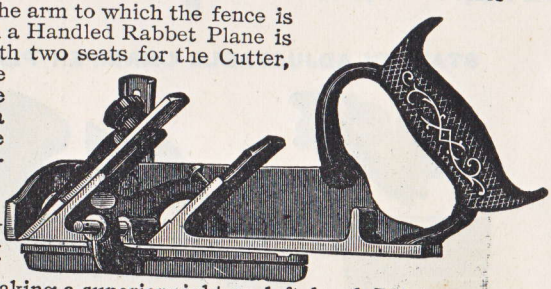


The Planes of this design which are fitted with spur, are adaptable for use for working across the grain. All of these Planes are fitted with a depth Gauge.

No.		Each
180	8 inches in Length, 1½ inch wide,	$1 10
181	8 inches in Length, 1¼ inch wide,	1 10
182	8 inches in Length, 1 inch wide,	1 10
190	8 inches in Length, 1½ inch wide, with spur,	1 25
191	8 inches in Length, 1¼ inch wide, with spur,	1 25
192	8 inches in Length, 1 inch wide, with spur,	1 25

DUPLEX RABBET PLANE AND FILLETSTER

Remove the arm to which the fence is secured, and a Handled Rabbet Plane is had, and with two seats for the Cutter, so that the tool can be used as a Bull-Nose Rabbet if required.

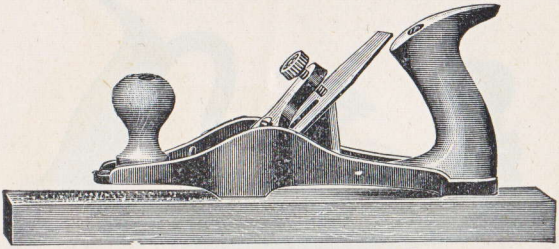


The arm can be screwed into either side of the Stock, making a superior right or left hand Filletster, which by means of adjustable fence is adapted for working rabbets of the smallest width.

This Plane is fitted with a spur so that it can be used for working across the grain when necessary and also has a depth Gauge. This tool deserves a place in every "Carpenter's Kit".

78 Iron Stock and Fence, 8½ inches in Length, 1½ inch Cutter. Each, $1 65

FURRING PLANE

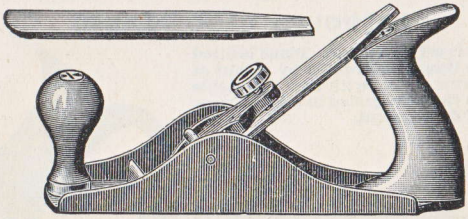


A new Tool for preparing lumber as it comes roughly sawed from the mill, to remove the fur and grit before using a smooth Plane.

The construction of the Bottom is such that it will accomplish this very rapidly.

No.		Each
340	Furring Plane, 10 inches in Length, 2 inch Cutter,	$1 65
	Cutters for above Planes,	25

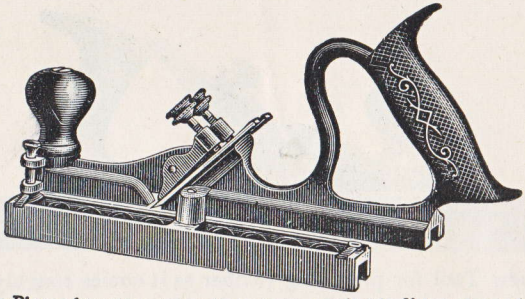
STANLEY IMPROVED SCRUB PLANES



This Tool has a single Iron, with the cutting edge rounded. It is particularly adapted for roughing down work before using a Jack or other Plane.

No.		Each
40	Iron Stock, 9½ inches in Length, 1¼ inch Cutter,	$1 10
40½	Iron Stock, 10½ inches in Length, 1½ inch Cutter,	1 50
	Cutters for above Planes, 1¼ inch.	20
	Cutters for above Planes, 1½ inch,	25

STANLEY TONGUING AND GROOVING PLANE



These Planes have two separate cutters, a suitable distance apart. When the guide, or fence, is set as shown above, both cutters work and a tongue can be made.

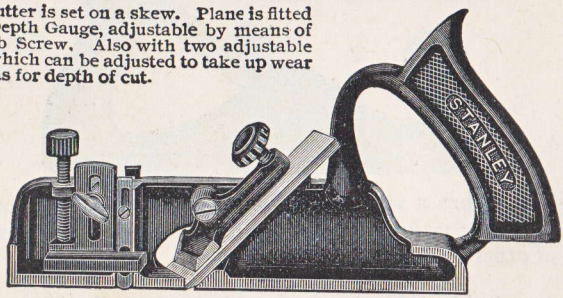
The fence is hung on a pivot, and can be swung around, end for end. This movement covers one of the cutters, and also furnishes a guide for grooving an exact match for the tongue.

In working thicker than 1 inch stuff with No. 48 Plane, or ½ inch stuff with No. 49, place the extra wide cutter in right hand side of the Plane. The tongue and the groove will not be equally removed from the center of the edges, on extra thick or thin boards; but a perfect match will be made.

No.		Each
48	Nickel-plated Stock, for ¾ to 1¼ inch boards,	$2 75
49	Nickel-plated Stock, for ⅜ to ¾ inch boards,	2 75

IMPROVED DADO PLANES

The Cutter is set on a skew. Plane is fitted with a Depth Gauge, adjustable by means of a Thumb Screw. Also with two adjustable Spurs, which can be adjusted to take up wear as well as for depth of cut.

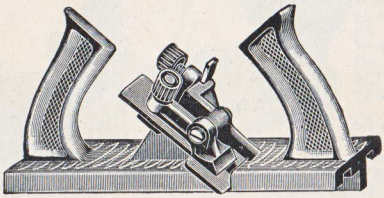


39	Iron Stock, 8 inches long, made in seven sizes, Viz:—¼, ⅜, ½, ⅝, ¾, ⅞ and 1 inch,	1 65
	Cutters for above Planes,	20

In ordering, always give the number, No 39, and width of Cutter.

DOUBLE-END MATCH PLANE

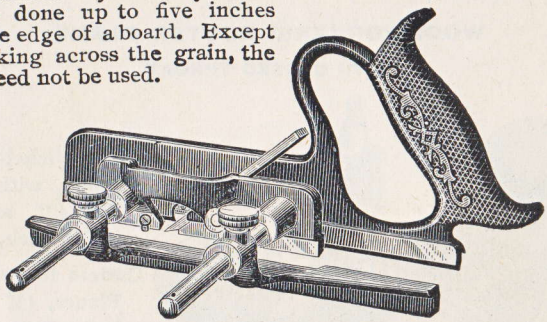
As shown in cut, this tool is provided with both Tongue and Groove Irons. With one side a Tongue can be cut, and by reversing ends, the Plane will cut a Groove to fit. The Tonguing Tools are made wider on one side for use on thicker stuff than the Plane will tongue and groove in the center.



No.		Each
146	Nickel Plated, Matches 3/8 inch Boards, cuts Groove 1/8 inch,	$2 20
147	Nickel Plated, Matches 5/8 inch Boards, cuts Groove 3/16 inch,	2 20
148	Nickel Plated, Matches 7/8 inch Boards, cuts Groove 1/4 inch,	2 20

COMBINED BEADING AND MATCHING PLANE

This Tool, for ordinary beading or for center beading, cannot be surpassed. By the adjustment of the fence, center beading can be done up to five inches from the edge of a board. Except for working across the grain, the spurs need not be used.



With each Plane are furnished Beading Tools, 1/8, 3/16, 1/4, 5/16, 3/8, 7/16 and 1/2 inch, and a pair of 1/4 inch Matching Tools.

50 Nickel-plated Stock and Fence, 4 50

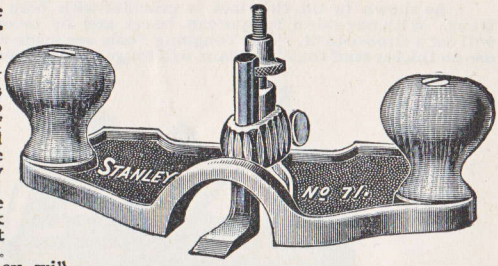
WOODWORKERS' ROUTER PLANE

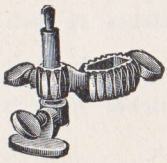
This Tool should be added to the kit of every skilled Carpenter, Cabinet Maker, Stair Builder, Pattern Maker or Wheelright. It is perfectly adapted to smooth the bottom of grooves, panels or all depressions below the general surface of any woodwork.

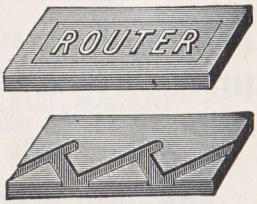
The Bits can also be clamped to the back side of the upright post and outside the stock. In this position they will plane into corners, will router out mortises for Sash-frame Pulleys, or will smooth surfaces not easily reached with any other tool.

The attachment shown in small cut is furnished with each Plane.

It can be substituted for the collar that holds the cutter when work requires a Plane with a closed throat.



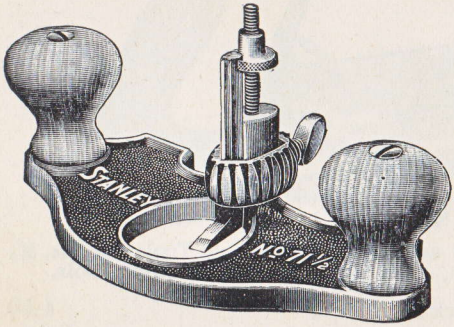




No.		Each
71	Nickel-Plated Stock, with Steel Bits (¼ and ½ in.),	$2 05

WOODWORKERS' ROUTER PLANE

WITH CLOSED THROAT



No.
71½ Nickel-Plated Stock, with Steel Bits (¼ and ½ inch), Each, $1 65

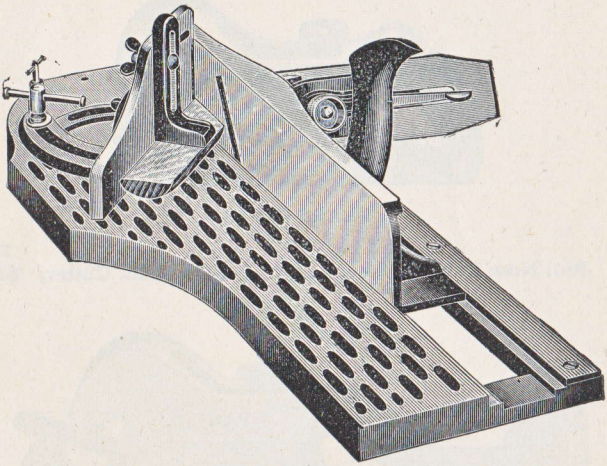
Cutters for above Planes, (¼ or ½ inch), Each, $0 30

STANLEY CHUTE BOARD

This tool, sometimes called a Jack Board, is a very important one for all Wood Workers, especially Pattern Makers and Cabinet Makers. It is also useful for amateurs.

The Board is made of Cast Iron, of ribbed construction, and has an adjustable runway for the Plane.

The Swivel is indexed for cutting a square and a mitre, but can be fastened with the Clamping Screw at any desired angle between zero and 90 degrees.



The Plane Iron being fitted with a lateral adjustment, a cut giving any ordinary draft to a pattern can be made.

The Sliding Back will support the work close to the Plane, preventing it from splintering.

The Sliding Back Clamp will hold any shaped work in position to be planed.

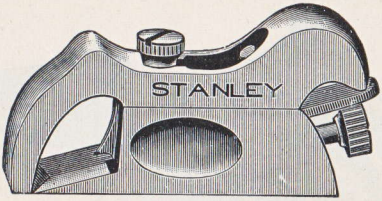
The Plane is specially constructed to fit the Board, and the Iron is set on a skew, making a smooth, keen cut.

No.		Each
52	Japanned, 22 inches long, 9 inches wide.	$15 00

ADJUSTABLE CABINET MAKERS' RABBET PLANE

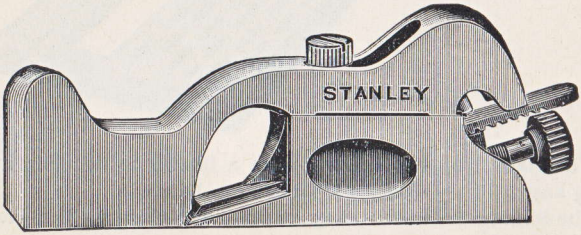
These Planes are designed for fine Cabinet work where extreme accuracy is required. The sides and bottom being square with each other the Plane will lie perfectly flat on either side, and can be used right or left.

Both the cutter and width of throat opening are adjustable. The Plane is Nickel-plated and fitted with the "Handy" feature.



PLANE No. 90

No.		Each
90	Bull Nose Rabbet Plane, 4 in. in Length, 1 in. Cutter,	$2 20

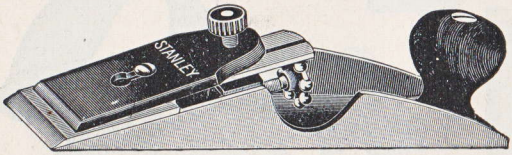


PLANE No. 93

No.		Each
92	Rabbet Plane, 5½ inches Long, ¾ inch Cutter,	2 20
93	Rabbet Plane, 6½ inches Long, 1 inch Cutter,	2 60
94	Rabbet Plane, 7½ inches Long, 1¼ inch Cutter,	3 00
	Cutters for above Planes,	30

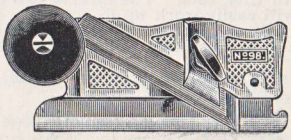
CABINET MAKERS' EDGE PLANE

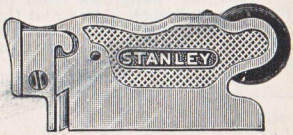
A useful tool for Piano Makers and all Cabinet Workers, for trimming inside work where space prevents the use of any other Plane.



No.		Each
97	Edge Plane, 2¼ inch Cutter,	$2 20
	Cutters for above Plane,	45

STANLEY SIDE RABBET PLANE



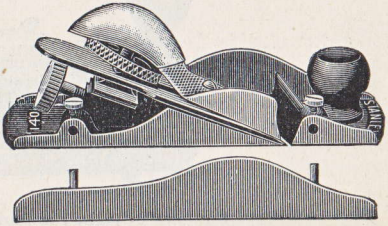


A convenient tool for side-rabbeting and trimming dados, mouldings and grooves of all sorts. A reversible nose-piece will give the tool a form by which it will work close up into corners when required.

98	Side Rabbet Plane, 4 inches, Right Hand,	1 00
99	Side Rabbet Plane, 4 inches, Left Hand,	1 00
	Cutters for above Planes,	20

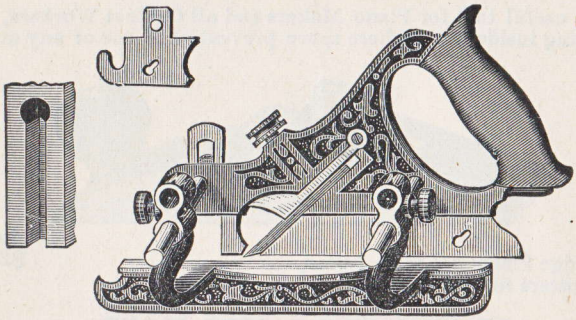
STANLEY RABBET AND BLOCK PLANE

A detachable side will easily change this Tool, from a Block Plane to a Rabbet Plane, or *vice versa*. The cutter is set on a *skew*.



140	Rabbet and Block Plane, with detachable side, 7 inches in Length, 1¾ inch Cutter,	1 40
	Cutters for above Plane,	20

BULL-NOSE PLOW AND MATCHING PLANE

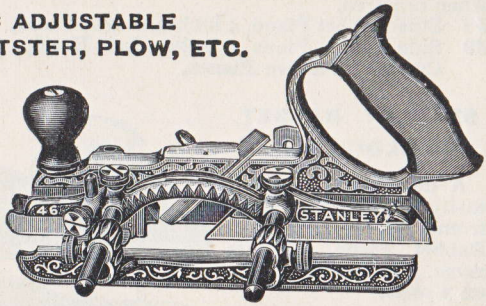


Two interchangeable front parts go with this Tool. The form shown is that of a Bull-nose Plow; and the Cutter will easily work up to, and into, a ½ inch hole, or any larger size—as in Sash fitting, Stair-work, etc. With the other front on, it takes the ordinary form of a Plow, and is adapted to all regular uses.

With each Tool eight Plow Bits (⅛, 3-16, ¼, 5-16, ⅜, 7-16, ½ and ⅝ inch), and a Slitting Blade are furnished; also a Tonguing Tool, (¼ inch).

No.		Each
143	Nickel-plated, with Ten Tools, Bits, etc.,	$6 00
141	Nickel-plated, with Ten Tools and a Filletster,	8 00

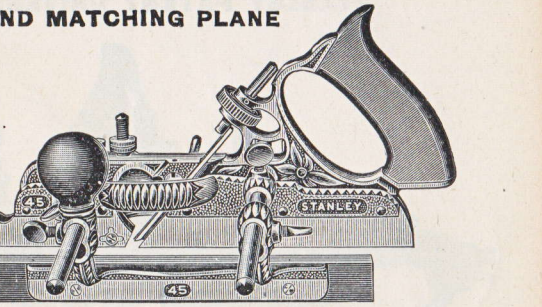
TRAUT'S ADJUSTABLE DADO, FILLETSTER, PLOW, ETC.



This Tool is accompanied by eight Plow and Dado Bits (3-16, ¼, 5-16, ⅜, ½, ⅝, ⅞ and 1¼ inch), a Filletster Cutter, a Slitting Blade and a Tonguing Tool. All (except the Slitting Blade) are secured in the main stock on a *skew*.

46	Nickel-plated Stock and Fence,	8 00

STANLEY ADJUSTABLE BEADING, RABBET AND MATCHING PLANE



This Plane combines a main stock and a sliding section so arranged that cutters of different widths can be used. Each Plane is fitted with an adjustable fence or guide and a depth gauge, and also with spurs for use in working across the grain. This Plane can be used right or left hand.

An adjustable stop, to be used in beading the edges of matched boards is inserted on the left hand side of sliding section.

A patent adjustable cam rest is now furnished with each No. 45 Plane for use when fence and main stock are used some distance apart. This rest is shown and described on page 75.

This Plane embraces (1) Beading and Center Beading Plane; (2) Rabbet and Filletster; (3) Dado; (4) Plow; (5) Matching Plane; (6) Sash Plane; and (7) a superior Slitting Plane.

Each Plane has seven Beading Tools (⅛, 3-16, ¼, 5-16, ⅜, 7-16 and ½ inch), ten Plow and Dado Bits (⅛, 3-16, ¼, 5-16, ⅜, 7-16, ½, ⅝, ¾ and ⅞ inch), a Slitting Blade, a Tonguing Tool and a Sash Tool.

The above-mentioned tools are shown one-half size on page 54, as Nos. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 8, 1, and 5, respectively.

No.		Each
45	Nickel-plated, with Twenty Tools, Bits, etc.,	**$9 00**

Of the Cutters shown on pages 54 and 55, Nos. 2, 6, 9, 28, 29, 31, 32, 33, 34, 35, 36, 37, 38, 212, 213, 214, 215, 222, 223, 224, 225, 232, 233, 234, and 235, in addition to the twenty sold with the Plane, will work in Plane No. 45. The other Cutters on these pages *cannot* be used in Plane No. 45.

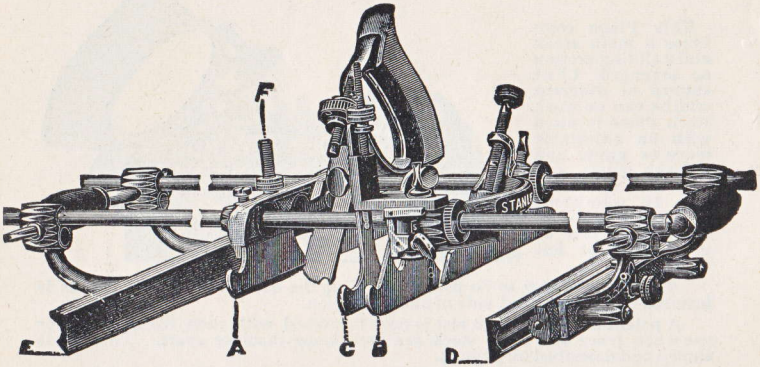
HOLLOWS AND ROUNDS FOR PLANE No. 45

By substituting special detachable bottoms for the sliding section mentioned above, cutters known as "Hollows" and "Rounds" may be used to advantage. Special bottoms are required for each of these tools. The following sizes can be furnished at $1.50 per pair, with cutters:

6	½ in. Cutters, work on ¾ in. Circle	(Nos. 43 and 53, page 54)	
8	⅝ " " " " 1 " "	(" 44 and 54, " ")	
10	¾ " " " " 1¼ " "	(" 45 and 55, " ")	
12	1 " " " " 1½ " "	(" 47 and 57, " ")	
	Extra Cutters for above,		**20**
5	Nosing Tool, 1¼ inches, attach same as above,		**1 10**
	Extra Cutters for above,		**25**

STANLEY RULE AND LEVEL CO.

STANLEY PATENT UNIVERSAL PLANE



No.		Each
55	Stanley's Universal Plane, with 52 Tools, Bits, etc.	**$18 00**

☞ The Plane is Nickel-plated; the 52 Cutters are arranged in four separate cases; and the entire outfit is packed in a neat Wooden Box.

This Plane consists of:—

A Main Stock (*A*) with two sets of transverse sliding arms, a depth gauge (F) adjusted by a screw, and a Slitting Cutter with stop.

A Sliding Section (*B*) with a patent vertically adjustable bottom.

The Auxiliary Center Bottom (*C*) is to be placed in front of the Cutter, as an extra support, or stop, when needed. This bottom is adjustable both vertically and laterally.

Fences (*D*) *and* (*E*). Fence D has a lateral adjustment by means of a screw, for extra fine work. The Fences can be used on either side of the Plane, and the rosewood guides can be tilted to any desired angle, up to 45°, by loosening the screws on the face. Fence E can be reversed for Center Beading wide boards.

An Adjustable Stop to be used in beading the edges of matched boards is inserted on the left hand side of Sliding Section (B).

This Plane takes the place of a full assortment of so-called "Fancy Planes." The same assortment of "Fancy Planes" would cost many times as much as one No. 55. The weight of this plane and 52 tools is 14 pounds.

The plate on page 54 shows the 52 cutters regularly furnished with the No. 55 Plane.

The plate on page 55 shows designs for cutters which are kept in stock and will be furnished to order.

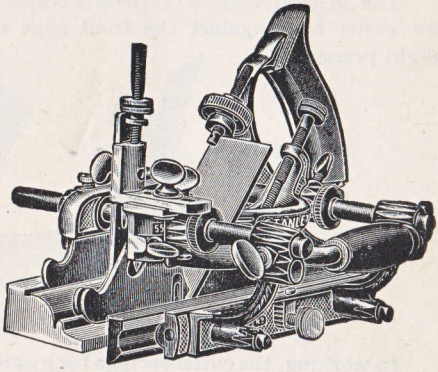
The cutters are shown one-half size in both plates.

By means of the patent adjustable bottom and the auxiliary center bottom it is possible to use a cutter of practically any shape with this Plane. This design of bottom is not used in any other Plane now made. Special cutters will be made to order or blanks from which workmen can file up any form they may require will be furnished as ordered.

Directions for use of this Plane will be found on opposite page.

STANLEY PATENT UNIVERSAL PLANE

DIRECTIONS



Moulding Plane.—Insert a Cutter, and adjust bottom of Sliding Section (B) to conform to the shape of the Cutter; then, by means of the two Check-nuts on the transverse arms, fasten this section firmly—*before tightening* the Thumb-screws which secure the sliding section to the arms.

When needed, adjust Auxiliary Center Bottom (C) for an additional support in front of the Cutter. By tilting the rosewood guides on Fences D and E, mouldings of various angles may be formed.

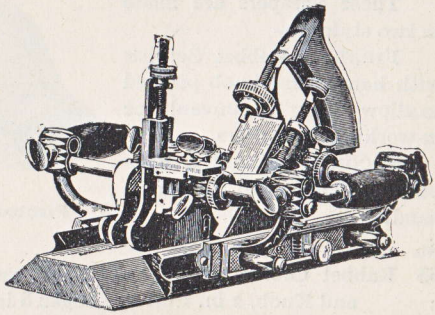
Match, Sash, Beading, Reeding, Fluting, Hollow, Round, Plow, Rabbet, and Filletster Plane.—Use in same manner as for Mouldings. In working Match and Sash Cutters, the Auxiliary Center Bottom (C) may be used as a stop.

Dado.—Remove the Fences (D and E) and set the spurs parallel with the edges of Cutter. Insert long Adjustable Stop on left hand side of Sliding Section.

Slitting Plane.—Insert the Cutter and Stop on right hand side of Main Stock, and use Fence D or E for guide.

CAM REST

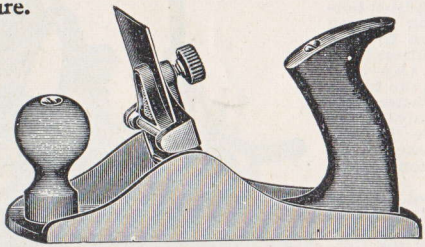
This patented rest is now furnished with No. 55 and No. 45 Planes. It can be fastened to either arm between plane and fence, when set wide apart, and helps to keep the plane level. Depth is regulated by turning the cam for proper adjustment.



Chamfer.—Insert the desired Cutter; fasten a Fence on each side of the Plane, and tilt the rosewood guides to required angle. For Chamfer Beading, use in the same form as above, and feed the Cutter down, gradually, by use of thumb-nut for adjustment.

CABINET-MAKERS' SCRAPER

The general feature of these Scrapers is that when in use the cutter rests against the front edge of the mouth under a slight pressure.



No. 87

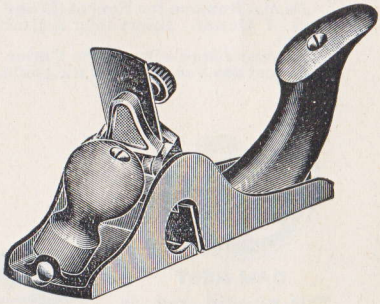
In working, the cutter springs backward, thereby opening the mouth and allowing the shaving to pass through it; but as soon as working pressure is released the cutter springs back to normal position.

This closes the mouth and prevents any dust or shaving falling through on the finished work.

These Scrapers are made in two styles:—

FIRST, a Rabbet Scraper with handle and knob pivoted to allow tilting for convenience in working in corners.

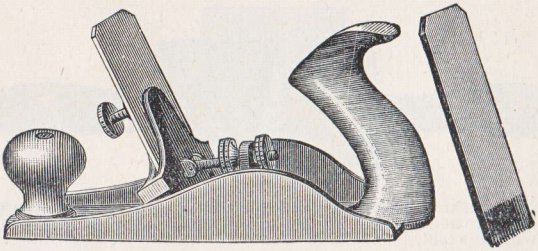
SECOND, without a Rabbet mouth and with stationary handles.



Cut Showing Pivoted Handle and Knob

No.		Each
85	Rabbet Cabinet Scraper, Tilting Rosewood Handle and Knob, 2 in. Cutter, Length 8 inches,	$3 00
87	Cabinet Scraper, Stationary Rosewood Handle and Knob, 2 in. Cutter, Length 8 inches,	2 00
	Cutters for above Planes,	20

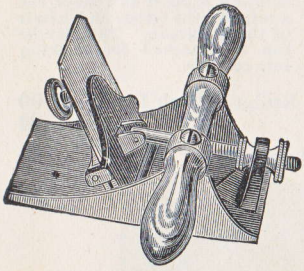
ADJUSTABLE SCRAPER PLANE



This Tool is used for scraping and finishing Veneers or Cabinet work. It can be used equally well as a Tooth Plane; and will do excellent work in scraping off old paint and glue.

Cutters for Toothing can be furnished having either 22, 28, or 32 teeth to the inch. An extra charge is made for each Toothing Cutter.

No.		Each
112	Adjustable Scraper, 9 inches in Length, 3 inch Cutter,	$2 20
	Veneer Cutters for above Scraper,	20
	Toothing Cutters for above Scraper,	30



No. 12

ADJUSTABLE VENEER SCRAPER

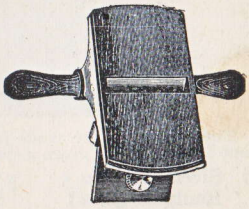
This tool takes the same cutters as Scraper Plane No. 112 decribed above. For many kinds of work its peculiar form is of great advantage.

No. 12	Adjustable Veneer Scraper, 3 inch Cutter,	2 50
	Cutters for above Scraper,	20

ADJUSTABLE VENEER SCRAPER

WOOD FACE

		Each
12½	Adjustable Veneer Scraper 3 inch Cutter,	3 30
	Cutters for above Scrapers,	20



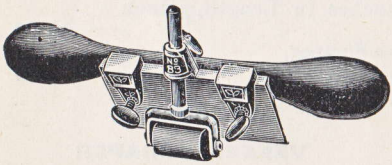
No. 12½

STANLEY CABINET SCRAPER

The blade of this Scraper may be sprung to a slight curve by the thumb-screw shown at the center of cut, which will be found a great advantage in working with this tool.

No.		Each
80	Raised Handles, 11 inches, 2¾ inch Blade,	**$1 00**
	Cutters for above Scrapers,	**20**

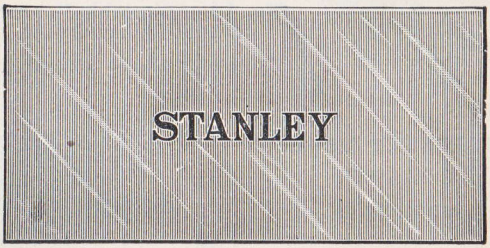
IMPROVED WOOD SCRAPER



This Scraper can be adjusted to any desired pitch, and may be worked toward or from the person using it. The Roller acts as a support to relieve the strain on the wrists and hands of the workman. The Handle can be detached for working into corners.

83	Wood Scraper, with Handles and Roller, 3 inch Blade,	**1 00**
	Cutters for above Scrapers,	**20**

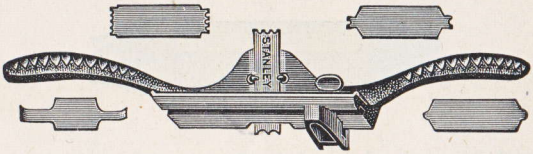
STANLEY HAND SCRAPER

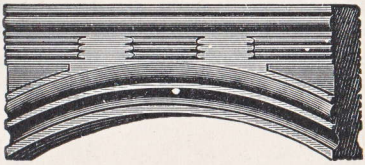


These Scrapers are made from the same high grade steel we use in our Plane Irons, and are given a special temper for this purpose.

0	Sizes,	2½ x 5	3 x 4	3 x 5	3 x 6	3½ x 6 inches.
	Each,	$0 21	21	25	25	30

STANLEY UNIVERSAL HAND BEADER



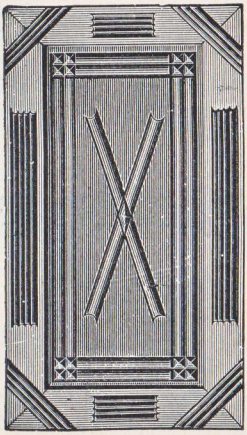


Sample of Work done by Beader

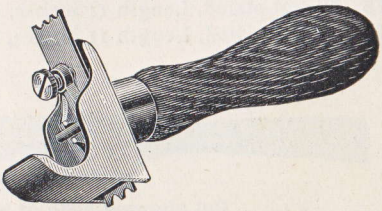
For Beading, Reeding, or Fluting, straight or irregular surfaces and for all kinds of light Routering. With a square gauge for straight, and oval gauge for curved work.

Both ends of the Cutters are sharpened, thus embracing six ordinary sizes of Beads, four sets of Reeds, two Fluters, and double Router Iron (⅛ and ¼ inch).

No.		Each
66	Nickel-plated, with seven Steel Cutters,	$1 00
	Cutters for above Beaders,	05



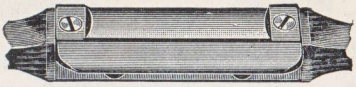
SINGLE HANDED BEADER



For Beading, Reeding or Fluting Diagonal Lines, etc.

69	Nickel-plated, with six Steel Cutters and one Blank,	75
	Cutters for above Beaders,	05

STANLEY RAZOR EDGE SPOKE SHAVES



So called from the shape of the Cutter, which is hollow ground, giving a keen cutting edge. The adjustable front can be moved up or down, giving the same effect as if the Cutter was raised or lowered. The Cutter can be adjusted front or back to govern width of mouth. With the above adjustments a coarse or very fine shaving can be cut.

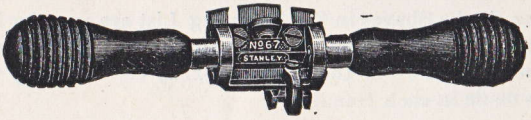
Cut Showing style of No. 72, 73, 75, 76.

No.		Each
72	Japanned, Length 11 inches, 2 inch Cutter,	$1 00
73	Japanned, Length 11 inches, 2½ inch Cutter,	1 10
75	Nickel-plated, Length 11 inches, 2 inch Cutter,	1 15
76	Nickel-plated, Length 11 inches, 2½ inch Cutter,	1 25

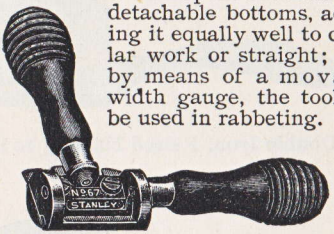
Cut showing style of Nos. 81, 82, 84, 85.

81	Rosewood, Length 11 inches, 2 inch Cutter,	$1 40
82	Rosewood, Length 12 inches, 2½ inch Cutter,	1 50
84	Boxwood, Length 11 inches, 2 inch Cutter,	1 40
85	Boxwood, Length 12 inches, 2½ inch Cutter,	1 50

STANLEY UNIVERSAL SPOKE SHAVE



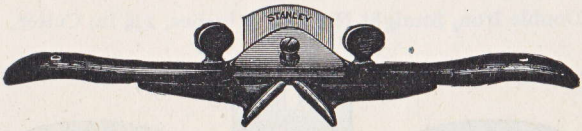
Both Handles are detachable, and either of them can be screwed into a socket on top of the stock, thus enabling the owner to work into corners, or panels, as no other spoke shave can do.



This Spoke Shave has two detachable bottoms, adapting it equally well to circular work or straight; and, by means of a movable width gauge, the tool can be used in rabbeting.

No.		Each
67	Universal Spoke Shave.	**$1 50**

PATENT CHAMFER SPOKE SHAVE



This Tool can be easily adjusted by means of the thumbscrews attached to the Guides; and will chamfer an edge any desired width up to 1½ inch.

65 Raised Handle, 1½ inch Cutter. **50**

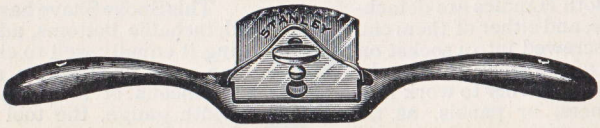
PATENT ADJUSTABLE BOX SCRAPER

An excellent Box Scraper, and also well adapted for planing floors.

70 Malleable Iron, 2 inch Steel Cutter. **50**

BAILEY IRON SPOKE SHAVES

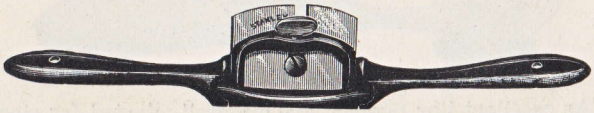
The Spoke Shaves in the following List are superior in style, quality and finish to any in market, and are in perfect working order when sent from the factory. They can be hung up, as a hole is made in each Handle.



No.		Each
51	Double Iron, Raised Handle, 10 inches, 2⅛ in. Cutter,	$0 30

52	Double Iron, Straight Handle, 10 inches, 2⅛ in. Cutter,	30

53	Adjustable, Raised Handle, 10 inches, 2⅛ in. Cutter,	38



54	Adjustable, Straight Handle, 10 inches, 2⅛ in. Cutter,	38

STANLEY RULE AND LEVEL CO.

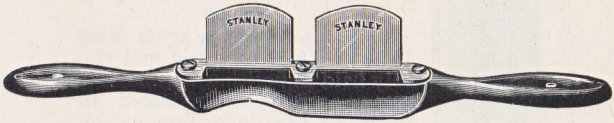
BAILEY IRON SPOKE SHAVES

No.		Each
55	Model Double Iron, Hollow Face, 10 in., 2⅛ in. Cutter,	$0 25

Style of Nos. 56 and 56½

56	Coopers', 18 inches, 2⅝ in. Cutter,	59
56½	Coopers' (Heavy), 19 inches, 4 in. Cutter,	75
57	Coopers' (Light), 18 inches, 2⅛ in. Cutter,	38

58	Model Double Iron, 10 inches, 2⅛ in. Cutter,	25
59	Single Iron (Pattern of No. 56), 10 inches, 2⅛ in. Cutter,	30

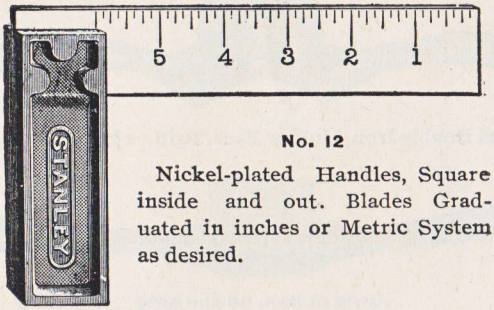


60	Double Cutter, Hollow and Straight, 10 inches, 1½ in. Cutter,	38

64	Straight Handle, 9 inches, 1¾ in. Cutter (with Thumb Screw),	17

STANLEY RULE AND LEVEL CO.

IRON HANDLE TRY SQUARES

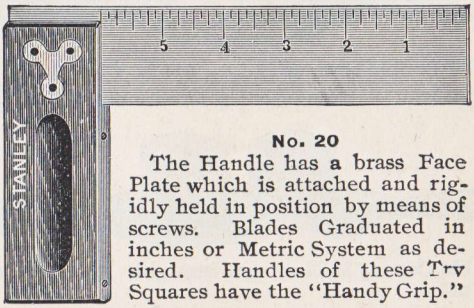


No. 12

Nickel-plated Handles, Square inside and out. Blades Graduated in inches or Metric System as desired.

Length of Blade,	2	4	6	8	10	12	inch.
Each,	$0 24	29	33	42	54	63	

ROSEWOOD HANDLE TRY SQUARES



No. 20

The Handle has a brass Face Plate which is attached and rigidly held in position by means of screws. Blades Graduated in inches or Metric System as desired. Handles of these Try Squares have the "Handy Grip."

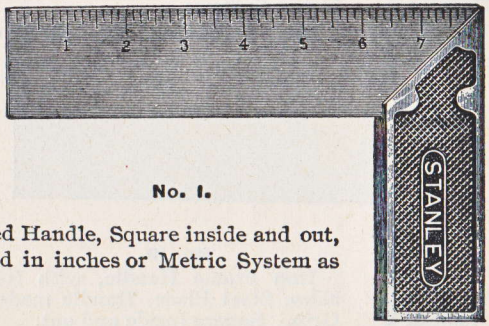
Length of Blade,	3	4½	6	7½	9	10	12	15	18	inch.
Each,	$0 20	23	30	35	43	46	56	75	95	

The 15 and 18 inch have a rest in Handle.

WINTERBOTTOM
COMBINED TRY AND MITRE SQUARE

This Tool can be used with equal convenience and accuracy as a Try Square or a Mitre Square. By simply changing the position of the handle and bringing the mitred face at the top of the handle against one edge of the work in hand, a perfect mitre, or angle of 45 degrees, can be struck from either edge of the blade.

IRON HANDLE.

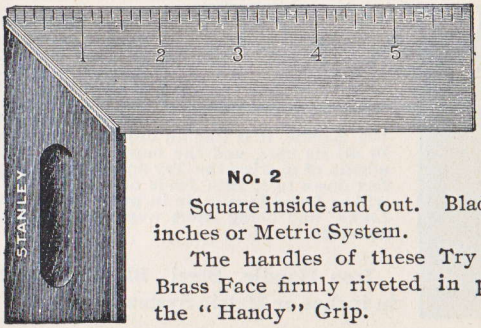


No. 1.

Nickel-plated Handle, Square inside and out, Blades graduated in inches or Metric System as desired.

Length of Blade,	4	6	8	Inches.
Each,	$0 42	53	63	

ROSEWOOD HANDLE.



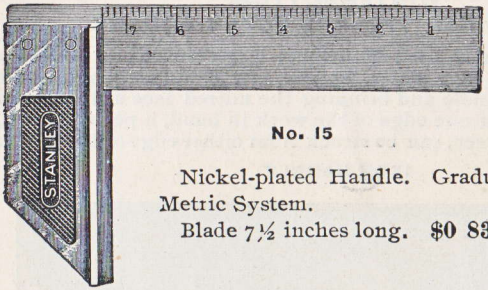
No. 2

Square inside and out. Blades graduated in inches or Metric System.

The handles of these Try Squares have a Brass Face firmly riveted in position and also the "Handy" Grip.

Length of Blade,	4½	6	7½	9	12	Inches.
Each,	$0 45	50	60	70	90	

STANLEY RULE AND LEVEL CO.

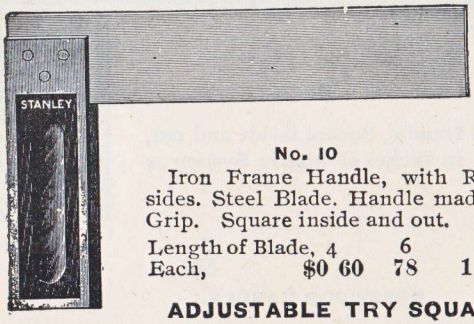


IMPROVED MITRE TRY SQUARE

No. 15

Nickel-plated Handle. Graduated in inches or Metric System.

Blade 7½ inches long. **$0 83** each.



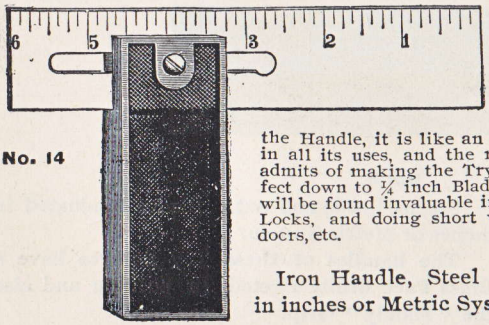
INLAID TRY SQUARE

No. 10

Iron Frame Handle, with Rosewood (Inlaid) sides. Steel Blade. Handle made with "Handy" Grip. Square inside and out.

Length of Blade,	4	6	8	10 inches.
Each,	$0 60	78	1 00	1 38

ADJUSTABLE TRY SQUARE



No. 14

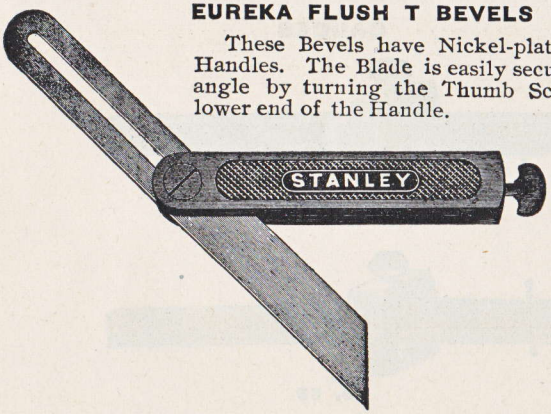
The Blade of this Square can be firmly and accurately secured in its seat, at any point. When the Blade is carried fully to the front of the Handle, it is like an ordinary Try Square in all its uses, and the moving of the Blade admits of making the Try Square equally perfect down to ¼ inch Blade or less. This Tool will be found invaluable in putting on Butts or Locks, and doing short work about windows doors, etc.

Iron Handle, Steel Blade graduated in inches or Metric System.

Length of Blade,	4	6 inches
Each,	$0 35	42

EUREKA FLUSH T BEVELS

These Bevels have Nickel-plated Metallic Handles. The Blade is easily secured at any angle by turning the Thumb Screw at the lower end of the Handle.

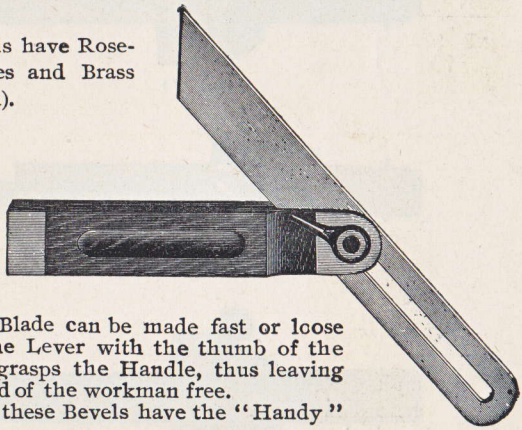


No. 18

Length of Blade,	6	8	10 inches.
Each,	$0 55	70	76

SLIDING T BEVELS

These Bevels have Rosewood Handles and Brass Levers (Flush).



No. 25

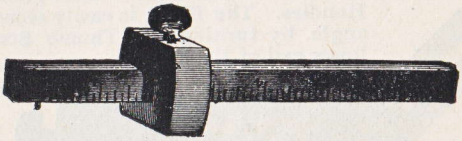
The Bevel Blade can be made fast or loose by moving the Lever with the thumb of the hand which grasps the Handle, thus leaving the other hand of the workman free.

Handles of these Bevels have the "Handy" Grip.

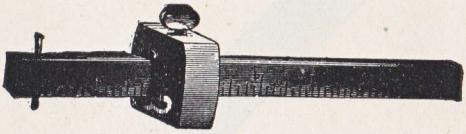
☞ Bevels with Thumb Screws will be furnished if so ordered.

Length of Blade,	6	8	10	12	14 inch
Each,	$0 33	36	39	42	45

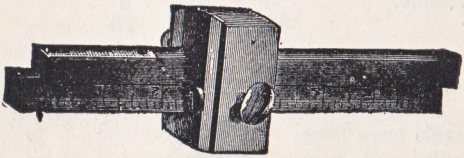
GAUGES



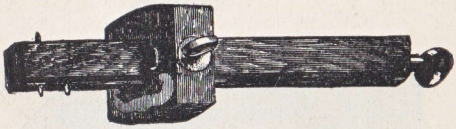
No. 61



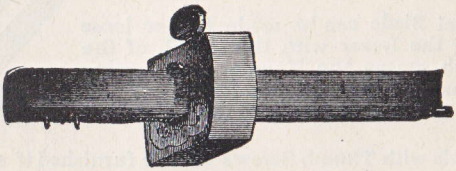
No. 65



No. 71



No. 77



No. 73

GAUGES

All Marking Gauges, excepting No. 61, have an Adjusting Point of finely tempered steel, which may be readily removed and replaced if it needs sharpening. All Gauges in this list have oval bars which are graduated.

All Gauges with Brass Thumb Screws have also a Brass Shoe inserted in the Head, under the end of the Thumb Screw. This Shoe protects the Gauge-bar from being dented by the action of the Screw.

MARKING GAUGES

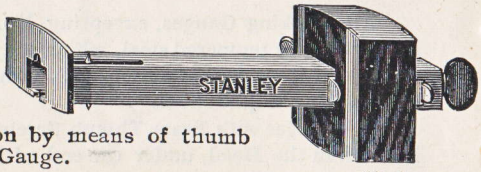
No.		Each
61	Beechwood, Boxwood Thumb Screw,	$0 09
62	Beechwood, Boxwood Thumb Screw, Polished,	17
64	Beechwood, Boxwood Thumb Screw, Polished, Plated Head,	23
64½	Beechwood, Brass Thumb Screw and Shoe, Polished, Oval Plated Head,	38
65	Boxwood, Brass Thumb Screw and Shoe, Polished, Plated Head,	50
70	Mahogany, Boxwood Thumb Screw, Polished, Plated Head, Cutting Gauge,	34

MARKING AND MORTISE GAUGES COMBINED

68	Beechwood, Brass Thumb Screw and Shoe, Plated Head, Adjustable Wood Slide,	50
71	Beechwood, Brass Thumb Screws and Shoes, Polished, Plated Head and Bars,	67
72	Beechwood, Boxwood Thumb Screws, Polished,	34
73	Boxwood, Brass Thumb Screw and Shoe, Polished, Plated Head, Brass Slide,	67
74	Boxwood, Brass Thumb Screws and Shoes, Polished, Full Plated Head and Bars,	1 17
76	Boxwood, Brass Thumb Screw and Shoe, Polished, Plated Head, Screw Slide,	92
77	Rosewood, Brass Thumb Screw and Shoe, Plated Head, Improved Screw Slide,	84

STANLEY BUTT AND RABBET GAUGE

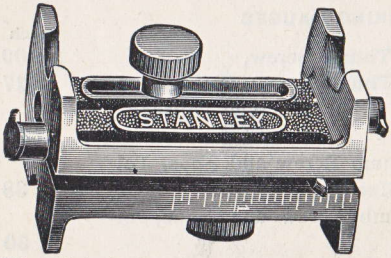
FOR HANGING DOORS, MORTISING, MARKING, ETC.



This Gauge has two bars, both of brass, one movable within the other. The two steel blades or markers at the extreme end of the inner bar can be moved to any position by means of thumb screw at opposite end of Gauge.

No.		Each
92	Improved Butt and Rabbet Gauge,	$1 25

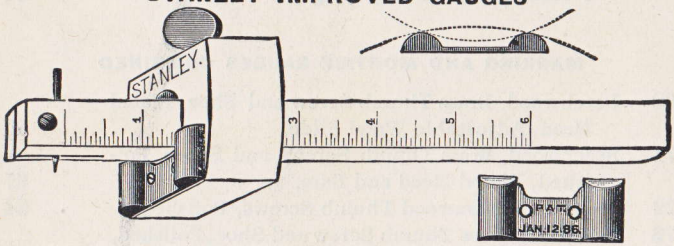
IMPROVED BUTT GAUGE



Has one bar with two steel cutters fixed upon it. When the cutter at the outer end of this bar is set for gauging on the edge of the door, the cutter at the inner end of the bar is already set for gauging from the back of the jamb. The other bar has a steel cutter to accurately gauge for the thickness of the butt.

95	Nickel-plated Butt Gauge,	75

STANLEY IMPROVED GAUGES



The Brass Face, with two ribs attached to one side of the Gauge-head (see Engraving), will enable the owner to run a gauge-line with perfect steadiness and accuracy around curves of any degree, and either concave or convex. The Gauge-head is reversible, and the flat side can be used for all ordinary work.

Any style of Gauge found in this Catalogue, page 88—with this valuable improvement included—may be ordered as Nos. 161, 162, etc., instead of Nos. 61, 62, etc.

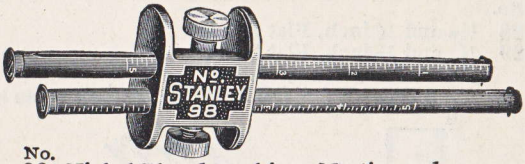
Additional charge of 9 cents each for this attachment.

STANLEY IMPROVED COMBINATION MARKING, MORTISE AND ROLLER GAUGE

These Gauges are made entirely of metal, nickel plated, double faced head, with steel point very near one end of the bar to admit of being used close up into a rabbet or corner, and roll point on the opposite end. The rolls are especially adapted for use over knots across the grain, or where a fine sharp mark is desired.

No.		Each
97	Nickel Plated Marking and Roller Gauge,	$0 55

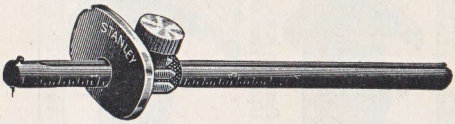
On the Mortise Gauge the head is countersunk so that either bar can be set flush when used as a single gauge.



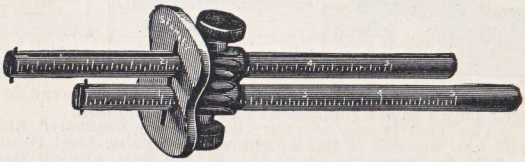
No.		
98	Nickel Plated Marking, Mortise and Roller Gauge,	1 00

IMPROVED MARKING AND MORTISE GAUGES

The steel points are attached very near the ends of the bars, to admit of being used close up into a rabbet or corner. The head of the Marking Gauge can be turned over for a broad or narrow bearing, as desired.



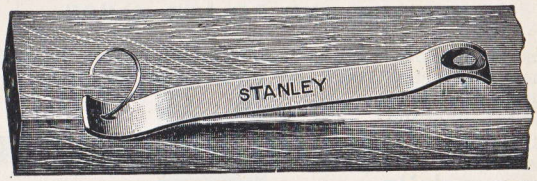
90 Nickel Plated Butt Gauge, 35



91 Nickel Plated Marking and Mortise Gauge, 65

STANLEY RULE AND LEVEL CO.

STANLEY CORNERING TOOL

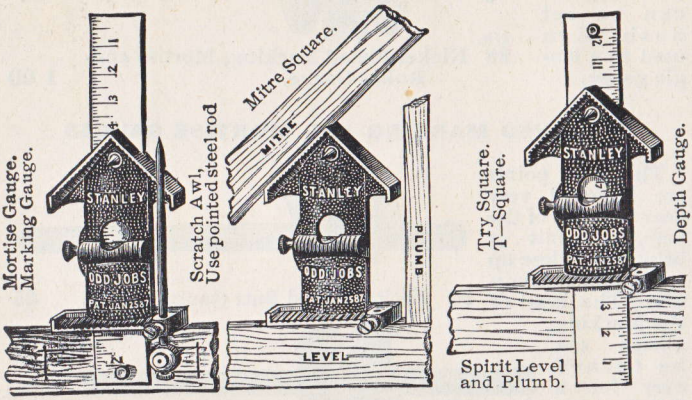


For Pattern-Makers, and used by all Wood-Workers, in rounding sharp edges. The tool is made in two numbers, with a different size Cutter at each end, so sharpened that owners can always cut with the grain without changing position of the work.

It requires no depth gauge, as the form of the tool allows it to cut only to a certain depth.

No.		Each
28	1/16 and 1/8 inch, Flat Steel,	$0 40
29	1/4 and 3/8 inch, Flat Steel,	40

STANLEY "ODD-JOBS"—(Ten Tools in One)

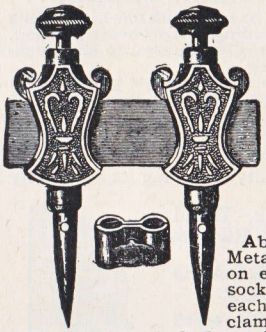


A Mechanic who has this Tool to use on his Rule can do all ordinary Jobs with only a Saw, a Hammer and a Plane in addition.

The Tool is now sent out with a 12-inch Graduated Ruler inserted in it; and near one end of the Ruler is an Adjustable Steel Point. This addition greatly facilitates the use of this unique Tool, already favorably known to Mechanics, Amateurs and Housekeepers.

1 Odd-Jobs, Nickel-plated, with Rule, 75

IMPROVED TRAMMEL POINTS



Style of Nos. 1, 2, 3

These Tools are used by Millwrights, Machinists, Carpenters, and all Mechanics having occasion to strike arcs or circles larger than can be conveniently done with ordinary Compass dividers.

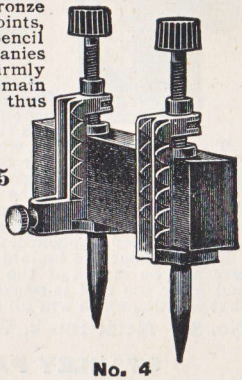
No.		Each
1	Small Size,	$1 20
2	Medium Size,	1 50
3	Large Size,	2 09

Above are made of Bronze Metal, and have Steel Points, on either of which a pencil socket (which accompanies each pair) can be firmly clamped close up to the main stock. The pencil will thus be secured at a point nearer the work than is possible by any other method.

No.		Each
4	Nickel-plated, with Steel Points.	$0 75

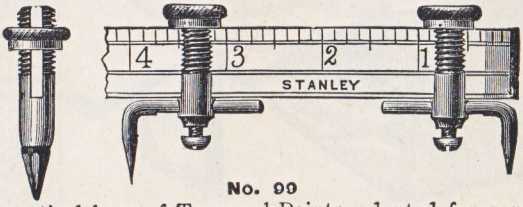
These new Trammel Points are so constructed that they can be attached to one side of any straight stick, without exact regard to its size, and are thus quickly adjusted for use.

The peculiar form of the socket makes it possible to use an ordinary sized pencil, or a full sized oval shaped Carpenters' pencil.



No. 4

STANLEY RULE TRAMMEL POINTS



No. 99

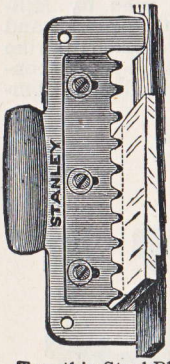
A practical form of Trammel Points, adapted for convenient use on a Carpenter's Rule. They can be attached to Folding Rules of any ordinary width; and on many kinds of work will take the place of regular Trammel Points, Calipers or Dividers.

A complete set consists of two Brass Trammel Heads, with movable Steel Points, and one Head with a Pencil Socket.

No. 99 Rule Trammel Points, Each. $0 50

STANLEY RULE AND LEVEL CO.

STANLEY CLAPBOARD (SIDING) MARKER



This ingenious tool can be used with one hand, while the other is employed in holding a clapboard in position.

The marking blade is easily adjusted to any thickness of clapboard, or siding.

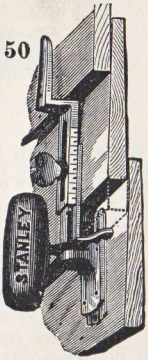
The sharp edges of the teeth are just parallel with the legs when placed against the corner-board or window casing.

By moving the tool half an inch, it will mark a full line across the clapboard, exactly over and conformed to the edge of the corner-board.

There is then no difficulty in sawing for a perfectly close Joint.

No. 88 Metal Stock, Wood Handle, Steel Blade, Each, $0 50

STANLEY CLAPBOARD (SIDING) GAUGE



A simple and practical Clapboard Gauge, or Holder, is needed by Carpenters; and is offered to them in this tool.

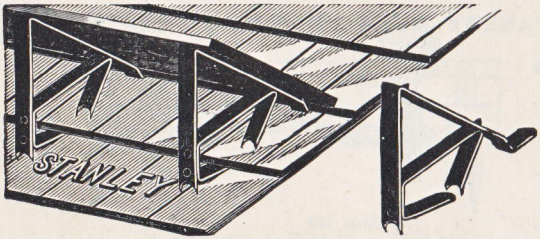
Two thin Steel Blades, which form a part of the base of the tool, will slide under the last clapboard already laid (see broken corner in engraving).

When the bottom of the Gauge is brought firmly up to the lower edge of the clapboard, press the handle over sidewise, and this will force another thin blade down into the next lower clapboard, rendering the tool immovable.

The clapboard to be laid can be held any width to the weather, by means of the graduated scale on the tool; and after the tool is released, the mark left is so slight that painting alone will fill it.

No. 89 Metal Stock, Wood Handle, Steel Blade. Each, $0 50

STANLEY PATENT ROOFING BRACKET.



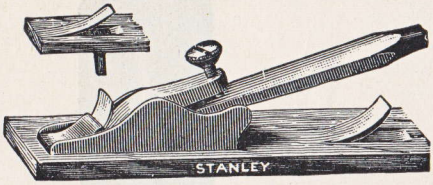
The parts are of Spring Steel and firmly riveted together. Push the beveled ends up under two layers of shingles already nailed down; the Bracket will then have two separate bearings on the roof, and is so formed that any increase of pressure from above increases its stability. Two steel spurs project above the horizontal surface of the Bracket, to secure the staging boards.

One dozen per minute can be placed in position, or removed; and great economy in lumber and nails will be found. There are no loose parts to get lost; and no nail-holes are made in the roof. In constant use these Brackets will last a life-time.

No. 1 Roofing Brackets, 8 inches. Each, $0 30

STANLEY RULE AND LEVEL CO.

STANLEY ADJUSTABLE CHISEL GAUGE



Attach to a ¼ inch **Chisel** (with beveled edge up) **and** a shaving of any desired thickness can be raised, **for** blind-nailing or for **inlaying** wood strips in **ornamental** surface work.

No.

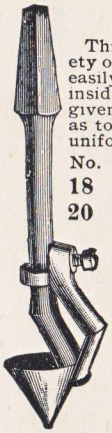
96 Chisel Gauge, Steel Stock. Each, **$0 20**

ADJUSTABLE PLUMB BOBS

These plumb Bobs are constructed with a reel at the upper end, upon which the line may be kept; and by dropping the bob with a slight jerk, while the ring is held in the hand, any desired length of line may be reeled off. A spring, which has its bearing on the reel, will check and hold the bob firmly at any point on the line. The pressure of the springs may be increased, or decreased, by means of the screw which passes through the reel. A suitable length of line comes already reeled on each Plumb Bob.

No.		Each
1	(Small) Bronze Metal, with Steel Point.	$1 80
2	(Large) Bronze Metal, with Steel Point.	2 10
5	(Large) Iron, with Steel Point.	1 00

WHEELER'S COUNTERSINK FOR WOOD



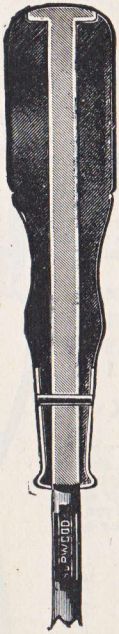
This countersink works equally well for every variety of screws. The Countersink cuts rapidly, and is easily sharpened by drawing a thin file lengthwise inside of the cutter. By fastening the Gauge at a given point, any number of screws may be driven so as to leave the heads flush with the surface, or at a uniform depth below it.

No.		
18	Countersinks.	25
20	Countersinks, with Gauge.	38

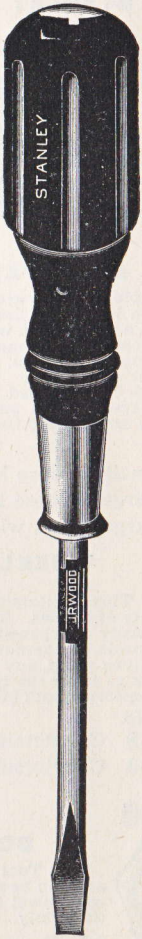
IMPROVED DOWEL SHARPENER

This Tool is the reverse of the Countersink, and can be sharpened with equal ease. By its use Dowel Pins can be sharpened rapidly and uniformly.

22 Dowel Sharpener. **25**



Sectional View of Hurwood Construction



Cut Showing Style of No. 20

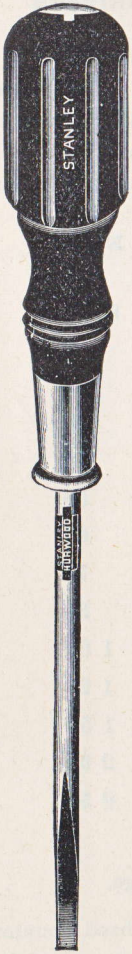
HURWOOD SCREW DRIVERS

Are made with Blade, Shank and Head formed from one piece of special steel, as shown in cut. The Blades are finely tempered, and the whole tool well finished. A rivet through the ferrule, together with the form of the head, securely fastens the handle. The "Hurwood" Screw Drivers are fully warranted.

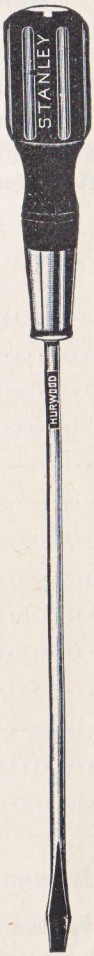
Size.	No. 20 Each	No. 25 Each
2½ in.	$0 25	$0 25
3 "	30	30
4 "	36	36
5 "	42	42
6 "	50	50
7 "	59	59
8 "	67	67
9 "	75	75
10 "	84	84
12 "	1 00	1 00
15 "	1 25	1 25
18 "	1 50	1 50
24 "	2 00	2 00
30 "	2 50	2 50

No. 20 is shown by cut on opposite page.

No. 25 is same as No. 20, but with head countersunk and covered with non-conducting material, for the use of Electricians.



Cut Showing Style of No. 40



Cut Showing Style of No. 50

CABINET MAKERS' SCREW DRIVERS

Size.	No. 40 Each	No. 45 Each
2½ in.	$0 25	$0 25
3½ "	30	30
4½ "	36	36
5½ "	42	42
6½ "	50	50
7½ "	59	59
8½ "	67	67
9½ "	75	75
10½ "	84	84
12½ "	1 00	1 00
15½ "	1 25	1 25
18½ "	1 50	1 50
21½ "	2 00	2 00
24½ "	2 50	2 50

No. 40 is shown by cut on opposite page.

No. 45 is same as No. 40, but with head countersunk and covered with non-conducting material, for the use of Electricians.

SPECIAL SCREW DRIVERS

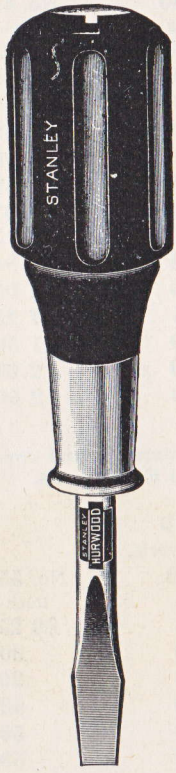
Made of smaller stock for fine work.

Size.	No. 50 Each	No. 55 Each
2½ in.	$0 25	$0 25
3 "	30	30
4 "	36	36
5 "	42	42
6 "	50	50
7 "	59	59
8 "	67	67
9 "	75	75
10 "	84	84
12 "	1 00	1 00

No. 50 is shown by cut on opposite page.

No. 55 is same as No. 50, but with head countersunk and covered with non-conducting material, for the use of Electricians.

HURWOOD MACHINISTS' SCREW DRIVER



Cut Shows
Nos. 51, 52, 53

Especially adapted for heavy work where a long Screw Driver cannot be conveniently used.

No. 51

Each

Length of Blade, 1¾ in.
Length over all, 5¼ in.

$0 42

No. 52

Length of Blade, 3 in.
Length over all, 7¼ in.

75

No. 53

Length of Blade, 4 in.
Length over all, 9½ in.

1 00

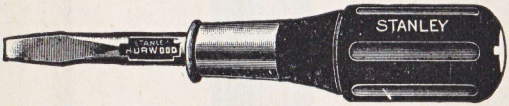
No. 54

With Double Grip Handle and Hexagon Shank for use with Wrench.
Length of Blade, 10 in.
Length over all, 18 in.

2 50

Cut Shows
No. 54

"BABY" HURWOOD SCREW DRIVER

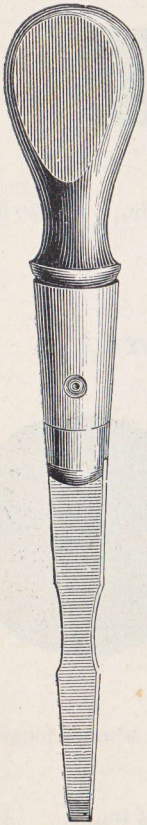


No.		Each
21	Length of Blade, 1½ inch, Length over all, 4 in.,	$0 30

HURWOOD HANDY SCREW DRIVER

A very handy tool for working in many places where a longer Screw Driver can not be used.

60	Length of Blade, 1⅝ inch, Length over all, 5½ in.,	42



No. 64

No. 70

No. 75

DEFIANCE SCREW DRIVERS

These Screw Drivers have Round Blades made of the best quality of Steel.

The Blade is securely fastened in the Handle by a pin, which passes through the Ferrule, Handle and Shank.

The Handle is of hard wood, stained, of fluted design.

The Ferrule is extra long, heavy and of graceful form.

The finish is of excellent quality.

REGULAR PATTERN.

No. 70

Size.	Each.
2½ in.	$0 25
3 "	30
4 "	36
5 "	42
6 "	50
7 "	59
8 "	67
9 "	75
10 "	84
12 "	1 00
15 "	1 25
18 "	1 50

CABINET MAKERS.

No. 75

Size.	Each.
2½ in.	$0 25
3½ "	30
4½ "	36
5½ "	42
6½ "	50
7½ "	59
8½ "	67
9½ "	75
10½ "	84
12½ "	1 00

FLAT BLADE SCREW DRIVERS.

The Blades of these Screw Drivers are made of an excellent quality of Steel, which, combined with their superior finish, make them the best Screw Driver of this pattern on the market

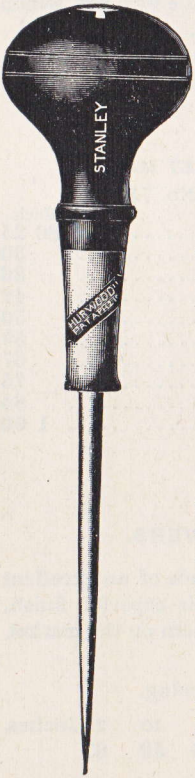
No. 64. Varnished Handles, metallic fastening.

Sizes,	1½	2	3	4	5	6	7	8	10	12 Inches.
Each,	$0 09	13	17	21	25	30	34	40	50	67

No. 86. Polished Handles.

Sizes,	2	3	4	5	6	7	8	10	12 Inches.
Each,	$0 13	17	21	25	30	34	40	50	67

HURWOOD SCRATCH AWLS



Hurwood
Scratch Awls

No. 6

Each

Length of Blade, 2¾ in.
Length over all, 5¼ in.

$0 30

No. 7

Length of Blade, 3½ in.
Length over all, 6½ in.

32

HURWOOD TINNERS' AWLS

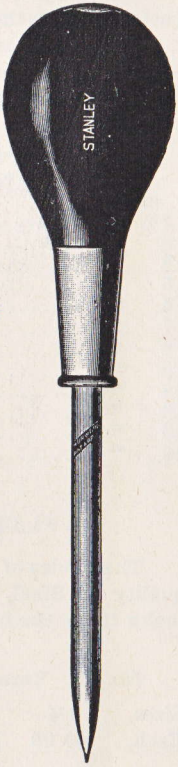
This tool is made of 5/16 inch best crucible steel and will not break or turn on the point, no matter how hard it may be used.

No. 8

Each

Length of Blade, 3¾ in.
Length over all, 7½ in.

$0 34



Hurwood
Tinners' Awls

HURWOOD BELT AWLS

Cut Shows No. 9

No. 9

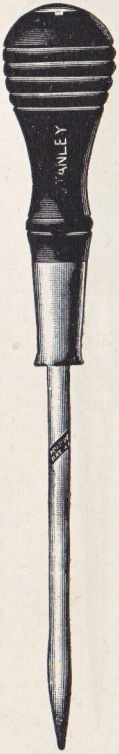
With Eye.

	Each
Length of Blade, 4½ in.	
Length over all, 8½ in.	
	$0 34

No. 10

Plain.

Length of Blade, 4½ in.	
Length over all, 8½ in.	
	34

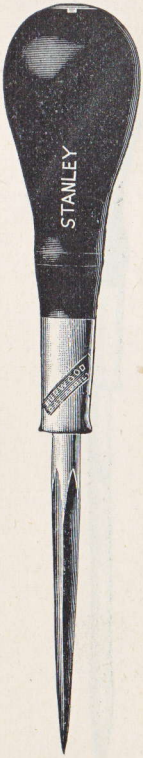


Cut Shows No. 10

HURWOOD THONG AWLS

No. 12

	Each
Length of Blade, 3 in. Length over all, 7 in.	$0 34



"Hurwood" Thong Awl

"HURWOOD" BRAD AWLS

A ONE-PIECE HANDLED BRAD AWL

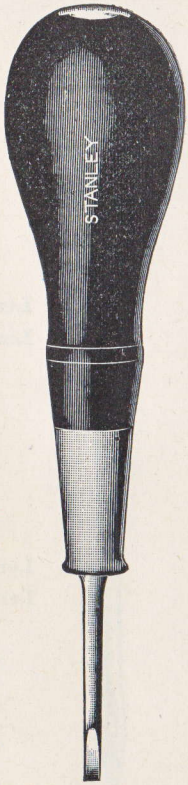
No. 17

The Blade, Shank and Head are made of one piece of special steel.

A Rivet passing through the Ferrule, Blade and Handle positively prevents their becoming loosened.

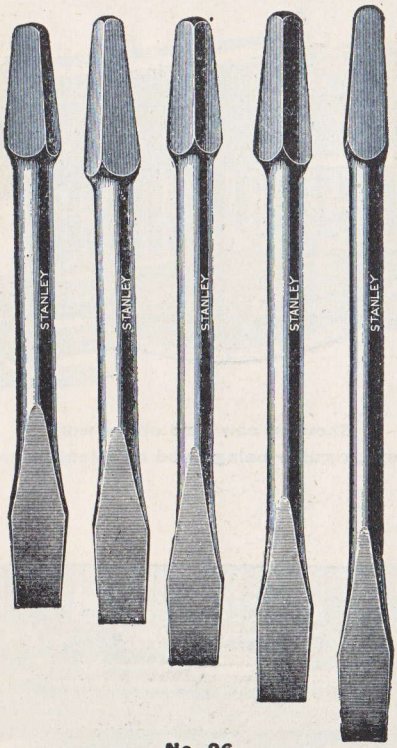
The point is finely tempered and is guaranteed to fully meet the requirements of a brad awl.

No.		Each
17	Asst. 1¼ and 1½ in. Blade,	$0 30



"Hurwood" Brad Awl

SCREW DRIVER BITS.

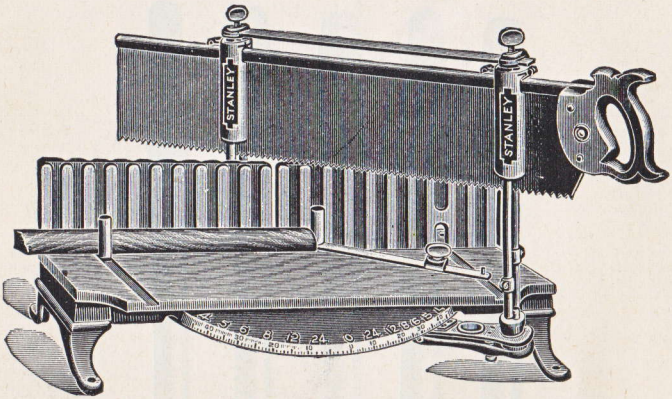


No. 26

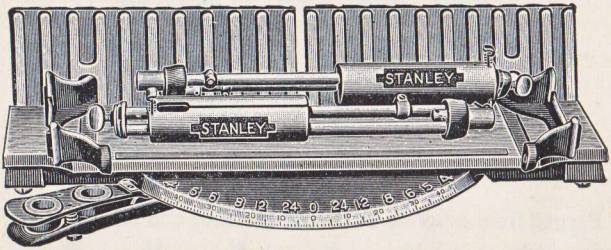
Forged from crucible steel, full polished and oil tempered.

Blades, inch.....	¼	5/16	⅜	½	⅝	¾
Length, inch,....	4½	4¾	5	5	8	8
Each, ...	$0 12	12	12	12	12	12

STANLEY MITRE BOXES



Showing saw held above work and stock guide being used as a length gauge.



Showihg Mitre Box knocked down.

STANLEY MITRE BOXES

(Continued)

This Mitre Box has a single-piece frame and malleable iron legs.

The saw is supported above the work, leaving both hands free.

A slight pressure on the rear catch releases it, and by raising the handle of the saw slightly the catch is disengaged, and the saw is lowered to the work.

The swivel is so constructed that it will automatically lock at any point desired, and is provided with an index pin engaging holes in the frame at the commonly used angles.

The location of these holes is clearly designated by figures.

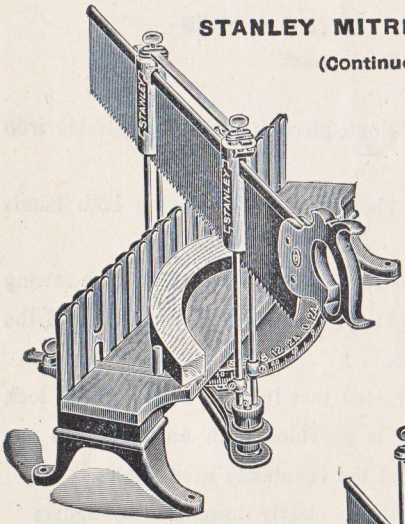
The saw guides, which are instantly removable, are adjustably set in the swivel where they are secured by a new clamping device, and by turning a screw at the base can be adjusted to hold the saw without play, thus securing a great accuracy of cut.

A second socket in the swivel is provided in which the forward guide may be set, permitting the use of a short saw, or allowing a longer stroke with a long saw.

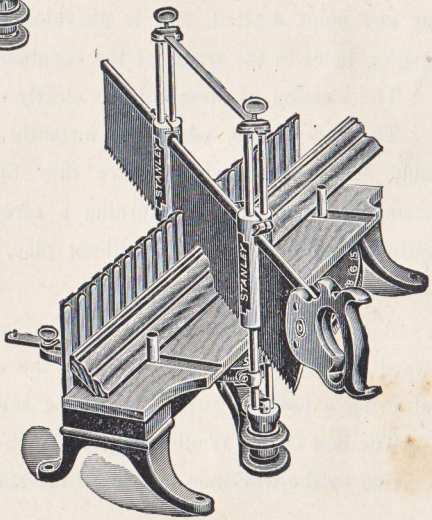
The box can be readily knocked down so that it can be easily carried by the workman or packed for shipment.

STANLEY MITRE BOXES

(Continued)



Showing segments of circles or irregular forms firmly supported in the Box.



Showing moulding held firmly in box with aid of stock guides.

STANLEY MITRE BOXES

(Continued)

The stock guides at back of frame will firmly support circular or irregular work.

By placing straight work against one of the guides instead of the back of the box, the most acute angles can be cut.

A stock guide can likewise be used as a length gauge for duplicating short pieces. (See cut page 108.)

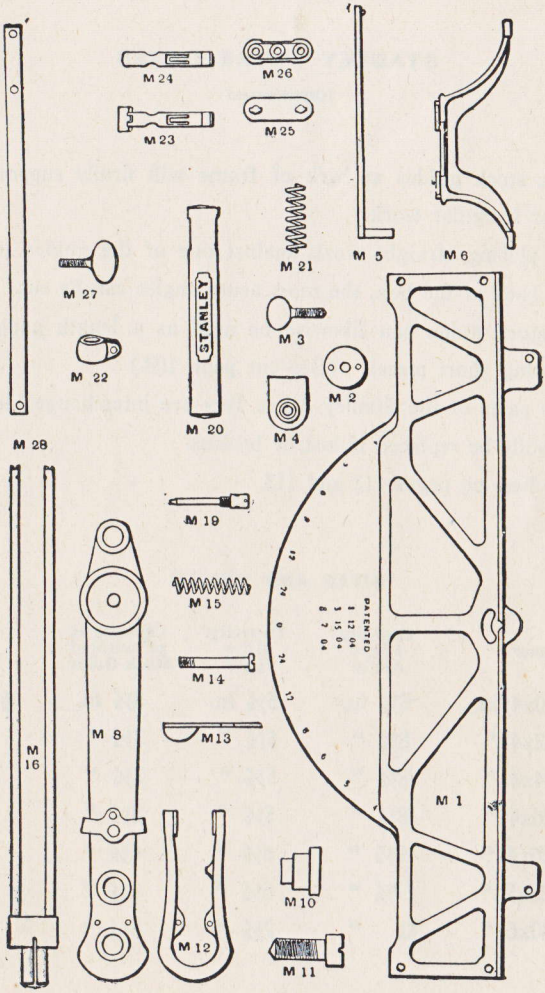
The parts of the Stanley Mitre Box are interchangeable, and can readily be replaced if lost or broken.

See lists on pages 112 and 113.

SIZES AND PRICES

No.	Saw	Capacity Right Angle	Capacity Mitre (45°)	Capacity at 30° without Stock Guide	Each
240	20x4 in.	8¼ in.	5½ in.	3½ in.	$10 50
242	22x4 "	8¼ "	5½ "	3½ "	10 75
244	24x4 "	8¼ "	5½ "	3½ "	11 00
246	26x4 "	8¼ "	5½ "	3½ "	11 25
346	26x4 "	9½ "	6½ "	4⅛ "	12 25
358	28x5 "	9½ "	6½ "	4⅛ "	13 00
460	30x6 "	11 "	7½ "	5⅛ "	16 00

STANLEY RULE AND LEVEL CO.



STANLEY RULE AND LEVEL CO.

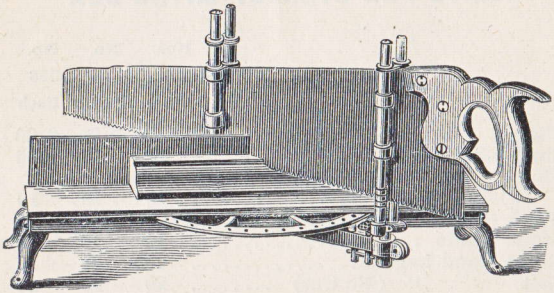
PARTS FOR STANLEY MITRE BOX

		Nos. 242 to 246 Each	No. 346 Each	No. 358 Each	No. 460 Each
M1	Frame,	$2 50	3 20	3 20	4 65
M2	Stock Guide Washer	05	05	05	05
M3	Thumb Screw for Stock Guide Clamp	10	10	10	10
M4	Stock Guide Clamp	05	05	05	05
M5	Stock Guide	10	10	10	15
M6	Right Hand Leg	20	25	25	30
M7	Left " " (No Cut)	20	25	25	30
M8	Swivel	1 10	1 25	1 25	1 50
M9	(No cut) Swivel complete, including Clamping Lever, Screws, Springs, etc	2 25	2 50	2 50	2 75
M10	Swivel Bushing	15	15	15	15
M11	" " Screw	05	05	05	05
M12	Clamping Lever	15	15	15	20
M13	" " Catch	05	05	05	05
M14	" " Spring Screw	05	05	05	05
M15	Clamping Lever Spring	05	05	05	05
M16	Saw Guide Uprights—Front	50	50	55	60
M17	Saw Guide Uprights, Back, (No cut)	50	50	55	60
M18	Saw Guide Uprights, Complete, Front or Back	1 25	1 25	1 40	1 60
M19	Base Expanding Screw	05	05	05	05
M20	Saw Guide Cylinder	20	20	25	30
M21	" " Lifting Spring	05	05	05	05
M22	" " Stop	05	05	05	05
M23	Front Saw Guide Catch	10	10	10	10
M24	Back " " "	05	05	05	05
M25	Cap Plate	05	05	05	05
M26	Cap	05	05	05	05
M27	Cap Thumb Screw	05	05	05	05
M28	Tie Bar	10	15	15	20

Any Screws not specified in above list, $0 40 per dozen.

In ordering Parts the number and name of Part wanted should be given, together with the number of the Box, for which the Part is required. All parts are interchangeable.

IMPROVED MITRE BOX



This Mitre Box can be used with a Back Saw or a Panel Saw equally well. If a Back Saw is used, both links which connect the rollers or guides are left in the upper grooves and the back of the saw is passed through under the links.

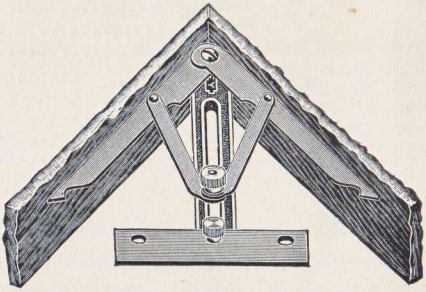
If a Panel Saw is used, the link which connects the rollers on the back spindle is changed to the lower groove; and then the blade of the saw will be stiffly supported by both sets of rollers and work like a Back Saw.

No.		Each
50	Mitre Box, 20 inches,	$7 00
60	Mitre Box, 20 inches, with 20-inch Back Saw,	10 00

STANLEY ANGLE DIVIDER

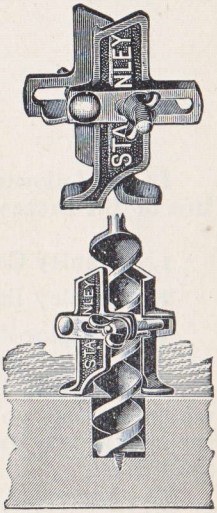
With this tool any angle can be found and bisected. Fitting molding or other wood-work to odd angles can be done with ease and certainty. It is also graduated for the parts of circle commonly used. A handy tool for laying out work.

The Angle Divider is accurately made and can be used as a Try or "T" Square.



30	Angle Divider, Nickel-plated,	1 50

STANLEY ADJUSTABLE BIT GAUGE



Using this tool the workman is able to bore any number of holes to a given depth. A stop being placed on both sides of the bit, when the proper depth is reached, the bit remains upright and does not bend or break the worm.

Being adjustable, the gauge can be attached to any size bit, up to one inch in diameter. By loosening the thumb screws, the shank of the bit can be inserted in the gauge, and the twist of the bit turned to the required depth.

No.		Each
49	Adjustable Bit Gauge, Nickel plated, 2½ in. long,	$0 60

STANLEY EXTENSION BIT HOLDER

When used in connection with a brace this Holder will extend the bit so as to enable the user to bore through walls, floors, etc., where the ordinary bit will not reach.

The jaws and shank are made of one piece of steel, and the Holder is so designed for a bit shank that the bit or drill will not be released when boring.

Any length or combination will follow up a ⅝ inch bit.

Sizes,	12	16	18	20	24	30 Inches.
Each,	$1 15	1 15	1 28	1 28	1 46	1 71

BIT BRACES.

In the following pages we illustrate a very complete line of Bit Braces, consisting of three classes:

1. Stanley Concealed Ratchet.
2. Stanley Box Ratchet.
3. "Victor" Braces.

There is one important feature in all our Braces to which we call your particular attention; namely, that the chuck body and spindle are one piece turned out of solid Steel.

The one-piece chuck body and spindle of Steel is far superior to a Malleable Chuck Body with a wire Spindle fastened to it.

It can readily be appreciated that making this part of one piece adds greatly to the strength of the Brace.

Furthermore, making the chuck body of Steel allows the cutting of a much better thread with which the thread of Shell is to engage, to say nothing of the fact that two Malleable Iron threads tend to bind and not work so satisfactorily as when one of the threads is cut on Steel.

The recess for receiving the Jaw is accurately machined on all our Braces, with the exception of No. 966.

Although various forms of Jaws are used, they are in all cases made of Steel, and with the cut of each Brace is shown the form of its jaw.

THE STANLEY CONCEALED RATCHET BRACE is an entirely new and novel design for Bit Braces, and is fully described in detail on pages 118 and 119.

THE STANLEY BOX RATCHET BRACE is what might be termed the most approved form of manufacture of that style of ratchet, where the ratchet gear is on the spindle, and pawls are set at right angles to the gear, and really form part of the bow, or sweep.

In these Braces the chuck body and spindle are one piece of Steel and the gears are cut on this solid Steel.

In the cut of the Braces on page 120, the ratchet end clearly shows that, although the pawls are exposed, the gear teeth are encased.

This feature guards the user's hands from the teeth, and prevents dust and dirt from clogging the gear.

On the following pages are clearly specified the details of finish of these Braces, such as style of head, handles, jaws, etc.

Our Braces of the Box Ratchet pattern are strictly high grade in every respect, with finish and trimmings suitable for a Brace of this class.

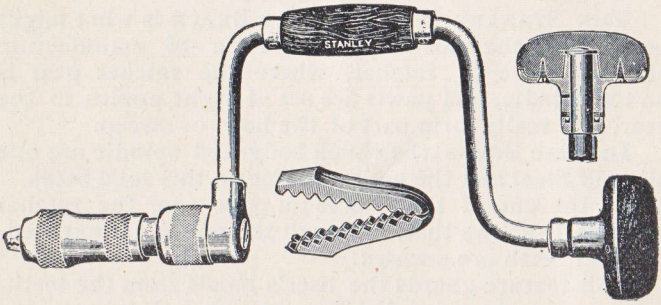
THE "VICTOR" BRACE.—In the "Victor" Brace, we furnish the style of ratchet most commonly used, that is, with the ratchet gear fastened to the spindle by a pin.

The chuck body and spindle, are one piece and of Steel, and the jaws in all Nos. are of Steel.

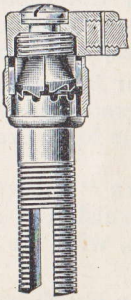
The entire line of "Victor" Braces, with the exception of Nos. 965 and 966, is the same as regards design and strength of working parts, the different numbers being based merely on the style of finish and difference in wood of heads and handles.

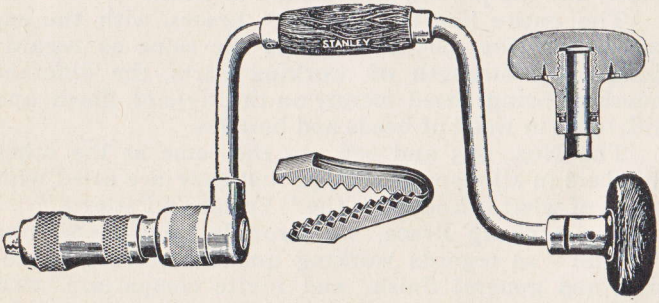
The Nos. 965 and 966 are the same as the other numbers in all respects, except that they are fitted with heads of what is known as the "Farmer's Pattern."

For a cheap Brace, we strongly recommend our "Victor" as regards working qualities, strength, design and general finish, and invite comparison with Braces of other manufacturers sold at a like price.



No. 911





No. 921

STANLEY CONCEALED RATCHET BRACES

This Brace presents a neat appearance, and has no projections to hurt the hand. The cam sleeve which actuates the clutch, being in line with the bit, makes it more convenient in handling than where the cam sleeve is at right angles.

There is a complete protection for the working mechanism. It is always free from dirt, grit and moisture, and retains oil for a long time.

This construction presents a larger and longer spindle bearing than any other Bit Brace on the market.

The ratchet gear is made of steel one inch in diameter, hardened, driven on, and securely pinned to the spindle, forming the main spindle bearing.

By removing the step screw, the whole mechanism may be taken apart, and as the parts are made interchangeable, any repairs may be made and the ratchet put together again with no trouble.

The two-piece clutch is made of steel forgings, hardened. Five teeth are in engagement when working as ratchet, and ten teeth when locked. The clutch, being backed by a large spiral spring, makes a very strong lock.

On the opposite page we show cuts of the clutch, the ratchet gear, the ratchet mechanism, and of the chuck body and spindle made from one piece of steel.

No. 911

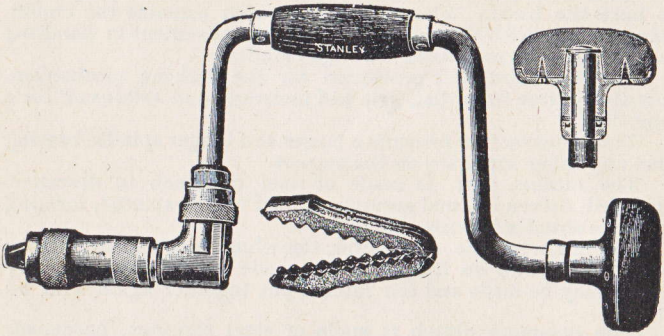
Nickel-plated. Cocobolo Head and Handle. Ball Bearing Metal Clad Head. Adjustable Handle Collars. Spindle and Chuck Body of one piece of steel. Hardened Steel Jaws, Alligator Pattern.

Size	Each
6 inch sweep	$2 00
8 " "	2 17
10 " "	2 34
12 " "	2 50
14 " "	2 67

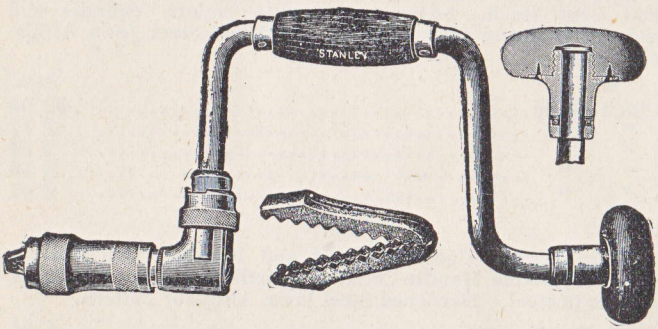
921

Nickel-plated. Cocobolo Head and Handle. Ball Bearing Head. Adjustable Handle Collars. Spindle and Chuck Body of one piece of steel. Hardened Steel Jaws, Alligator Pattern.

6 inch sweep	1 84
8 " "	2 00
10 " "	2 17
12 " "	2 34
14 " "	2 50



913



No. 923

STANLEY BOX RATCHET BRACES

No. 913

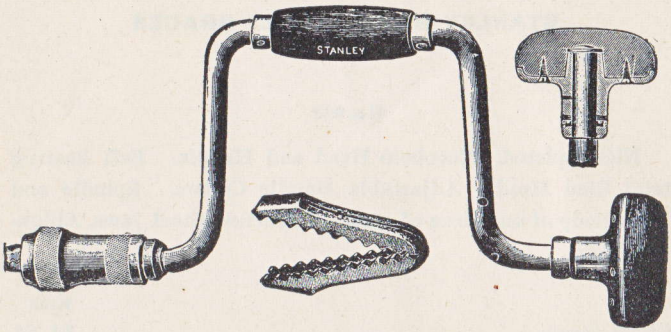
Nickel-plated. Cocobolo Head and Handle. Ball Bearing Metal Clad Head. Adjustable Handle Collars. Spindle and Chuck Body of one piece of steel. Hardened Steel Jaws, Alligator Pattern.

Size.	Each
6 inch sweep	$1 84
8 " "	2 00
10 " "	2 17
12 " "	2 34
14 " "	2 50

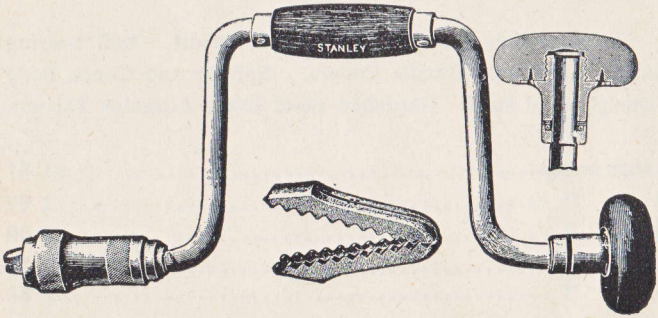
No. 923

Nickel-plated. Cocobolo Head and Handle. Ball Bearing Head. Adjustable Handle Collars. Spindle and Chuck Body of one piece of steel. Hardened Steel Jaws, Alligator Pattern.

6 inch sweep	$1 67
8 " "	1 84
10 " "	2 00
12 " "	2 17
14 " "	2 34



No. 914



No. 924

STANLEY SLEEVE BRACES

No. 914

Nickel-plated. Cocobolo Head and Handle. Ball Bearing Metal Clad Head. Adjustable Handle Collars. Hardened Steel Jaws. Alligator Pattern.

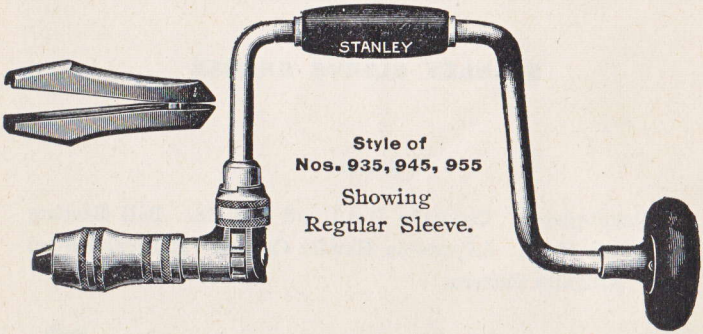
Size.	Each
6 inch sweep	$1 42
8 " "	1 50
10 " "	1 67
12 " "	1 84
14 " "	2 00

No. 924

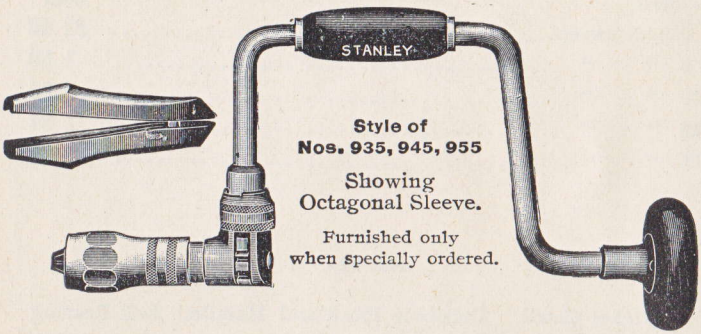
Nickel-plated. Cocobolo Head and Handle. Ball Bearing Head. Adjustable Handle Collars. Hardened Steel Jaws. Alligator Pattern.

6 inch sweep	$1 25
8 " "	1 34
10 " "	1 50
12 " "	1 67
14 " "	1 84

STANLEY RULE AND LEVEL CO.

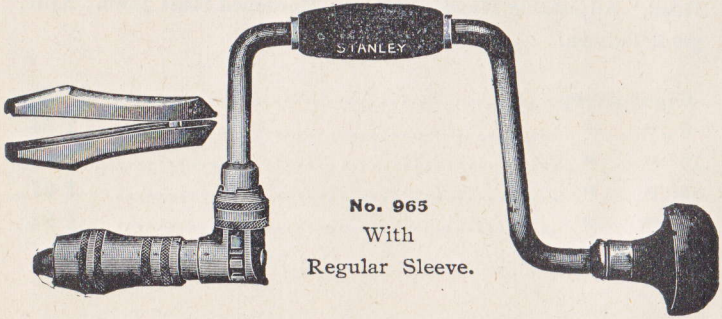


Style of
Nos. 935, 945, 955
Showing
Regular Sleeve.



Style of
Nos. 935, 945, 955
Showing
Octagonal Sleeve.

Furnished only
when specially ordered.



No. 965
With
Regular Sleeve.

VICTOR RATCHET BRACES

No. 935

Nickel-plated. Cocobolo Head and Handle. Spindle and Chuck Body of one piece of steel. Steel Jaws.

Size	Each
8 inch sweep	$1 28
10 " "	1 34
12 " "	1 40

No. 945

Nickel-plated. Hardwood (Stained) Head and Handle. Spindle and Chuck Body of one piece of steel. Steel Jaws.

8 inch sweep	1 09
10 " "	1 15
12 " "	1 21

No. 955

Polished. Hardwood (Stained) Head and Handle. Spindle and Chuck Body of one piece of steel. Steel Jaws.

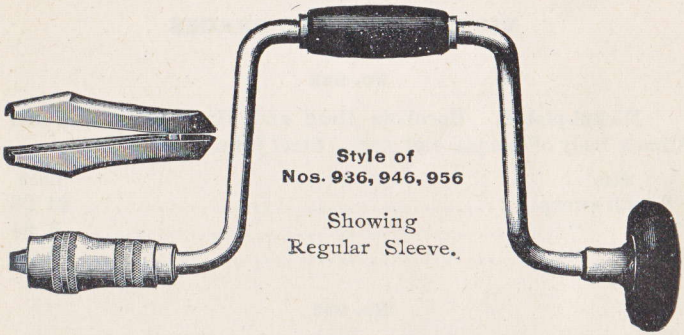
8 inch sweep	98
10 " "	1 05
12 " "	1 11

No. 965

Polished. Maple Head and Wooden Quill. Spindle and Chuck Body of one piece of steel. Steel Jaws.

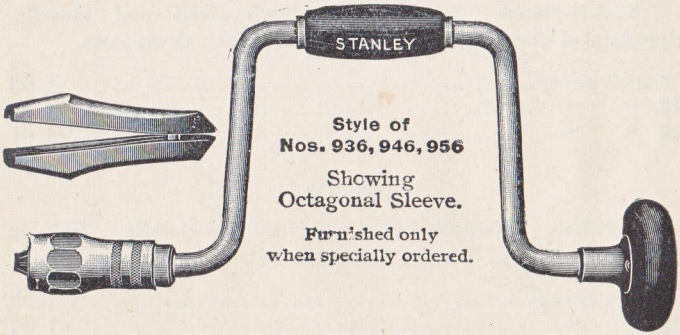
8 inch sweep	86
10 " "	92
12 " "	98

Any of the above Braces will be furnished with octagonal sleeves, as shown in cut on opposite page, when so desired, without additional cost.



Style of
Nos. 936, 946, 956

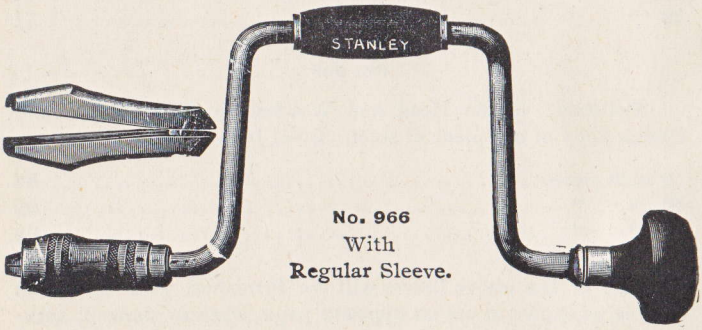
Showing
Regular Sleeve.



Style of
Nos. 936, 946, 956

Showing
Octagonal Sleeve.

Furnished only
when specially ordered.



No. 966
With
Regular Sleeve.

VICTOR SLEEVE BRACES

No. 936

Nickel-plated. Cocobolo Head and Handle. Steel Chuck Body. Steel Jaws.

Size	Each
8 inch sweep	$0 80
10 " "	86
12 " "	92

No. 946

Nickel-plated. Hardwood (Stained) Head and Handle. Steel Chuck Body. Steel Jaws.

8 inch sweep	61
10 " "	67
12 " "	73

No. 956

Polished. Hardwood (Stained) Head and Handle. Steel Chuck Body. Steel Jaws.

8 inch sweep	50
10 " "	57
12 " "	63

No. 966

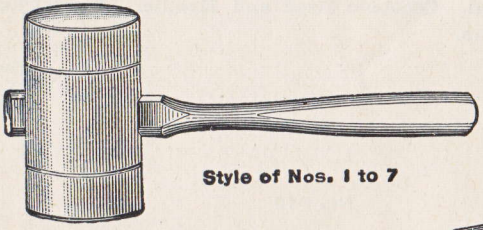
Polished. Maple Head and Wooden Quill. Steel Jaws.

8 inch sweep	40
10 " "	44
12 " "	50

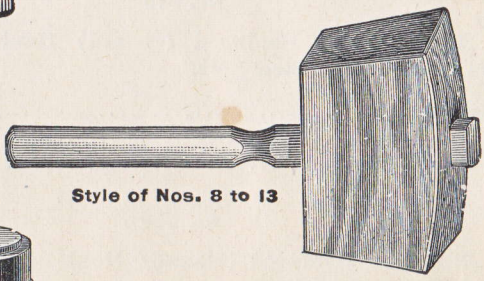
Any of the above Braces will be furnished with octagonal sleeves, as shown in cut on opposite page, if so desired, without additional cost.

MALLETS

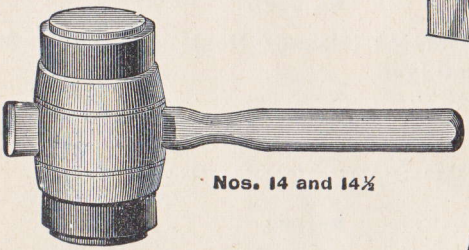
MORTISED HANDLES



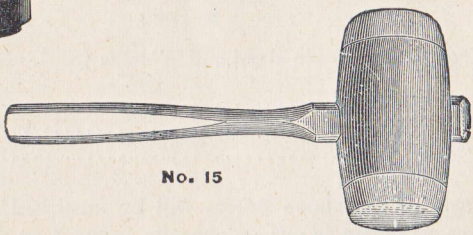
Style of Nos. 1 to 7



Style of Nos. 8 to 13



Nos. 14 and 14½



No. 15

MALLETS

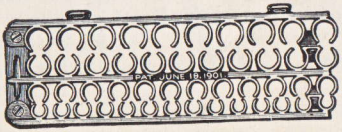
MORTISED HANDLES

No.			Each
1	Round Hickory,	Mortised, 5 in. long, 3 in. diameter,	$0 13
2	Round Hickory,	Mortised, 5½ in. long, 3½ in. diameter,	17
3	Round Hickory,	Mortised, 6 in. long, 4 in. diameter,	21
5	Round Lignumvitæ,	Mortised, 5 in. long, 3 in. diameter,	25
6	Round Lignumvitæ,	Mortised, 5½ in. long, 3½ in. diameter,	34
7	Round Lignumvitæ,	Mortised, 6 in. long, 4 in. diameter,	42
8	Square Hickory,	Mortised, 6 in. long, 2½ by 3½ inches,	17
9	Square Hickory,	Mortised, 6½ in. long, 2¾ by 3¾ inches,	21
10	Square Hickory,	Mortised, 7 in. long, 3 by 4 inches,	25
11	Square Lignumvitæ,	Mortised, 6 in. long, 2½ by 3½ inches,	32
12	Square Lignumvitæ,	Mortised, 6½ in. long, 2¾ by 3¾ inches,	40
13	Square Lignumvitæ,	Mortised, 7 in. long, 3 by 4 inches,	48
14	Round Mallet,	Mortised, Iron Rings, 6 in. long, 4 in. diameter,	46
14½	Round Mallet,	Mortised, Iron Rings, 5½ in. long, 3½ in. diameter,	34
15	Round Iron Mallet,	Mortised, Hickory Ends, 2½ in diameter,	34
16	Round Mallet, Heavy Malleable Iron Sockets, Mortised, Hickory Ends, 3 in. diameter,		63

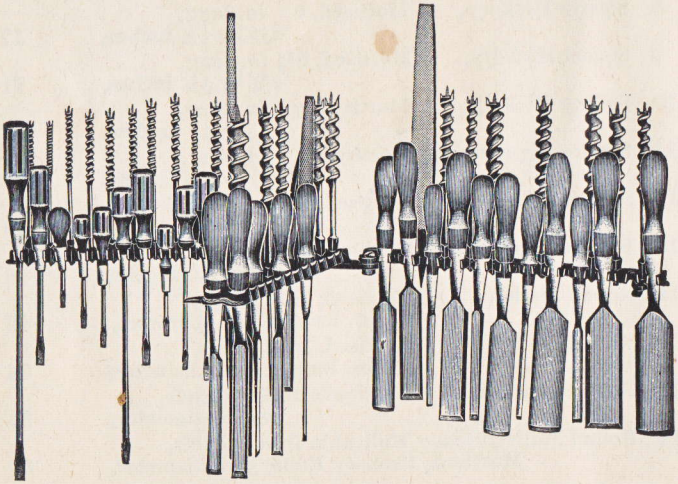
TINNERS' MALLETS

4	Round Hickory, 5½ in. long, assorted, 2¼ and 2½ in. diameter,	10

STANLEY TOOL HOLDER, NO. 255



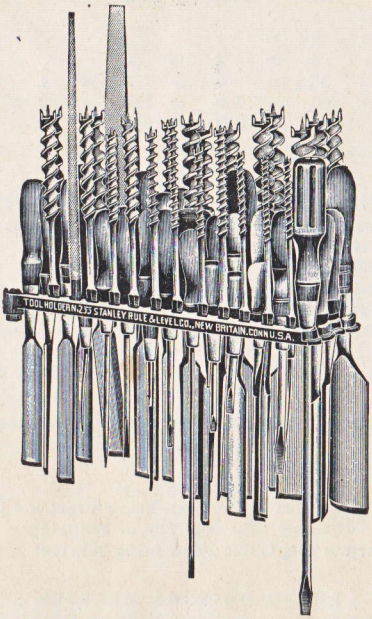
TOP VIEW



OPEN VIEW

STANLEY TOOL HOLDER, NO. 255

(Continued)



CLOSED VIEW

This Tool Holder is made to hold fifty tools and will be found very convenient in homes, shops, and to most all mechanics.

It can easily be attached to the wall and only occupies a space of fifteen by six inches when closed.

When open all tools are exposed ready for use.

The use of this Tool Holder enables the owner to keep his benches clean and in good order, prevents the tools from rubbing together and becoming dull and saves the workman's time.

No.		Each
255	Tool Holder	**$2.00**

Packed one in a box with screws

U. S. WEIGHTS AND MEASURES

DRY MEASURE

The Standard Bushel contains 2150.42 Cubic Inches, or 77.627013 Pounds Avoirdupois of pure water at maximum density. Its legal dimensions are 18½ Inches diameter inside, 19½ Inches outside, and 8 Inches deep; and when heaped the cone must be 6 Inches high, making a heaped Bushel equal to 1¼ struck ones.

Pints		Quarts		Gallons		Pecks		Bushels		Cubic Inches.
2	=	1	=							67.2
8	=	4	=	1	=					268.8
16	=	8	=	2	=	1	=			537.6
64	=	32	=	8	=	4	=	1	=	2150.42

The British Imperial Bushel contains 2218.2 Cubic Inches and = **1.03** U. S. Bushels.

AVOIRDUPOIS OR COMMERCIAL WEIGHT

The Grain is the same in Troy, Apothecaries and Avoirdupois Weights.

The Standard Avoirdupois Pound is the weight of 27.7015 Cubic Inches of distilled water weighed in the air at 35.85 degrees Fahr., Barometer at 30 Inches. 27.343 Grains = 1 Drachm.

Drachms		Ozs.		Lbs.		Long Qrs.		Long Cwt.		Long Ton
16	=	1								
256	=	16	=	1						
7168	=	448	=	28	=	1				
28672	=	1792	=	112	=	4	=	1		
573440	=	35840	=	2240	=	80	=	20	=	1

The above Table gives what is known as the Long Ton. The **Short Ton** weighs 2000 Pounds.

TROY WEIGHT

For Gold, Silver and Precious Metals.

Grains		Dwts.		Ozs.		Lbs.
24	=	1				
480	=	20	=	1		
5760	=	240	=	12	=	1

175 Pounds Troy = 144 Avoirdupois.
Pounds Avoirdupois X .82286=Pounds Troy.
Pounds Troy X 1.2153 = Pounds Avoirdupois.

The Jewelers' Carat is equal in the United States, to 3.2 **Grains; in** London, to 3.17 Grains; in Paris, to 3.18 Grains.

APOTHECARIES WEIGHT

United States and British.

In Troy and Apothecaries Weights, the Grain, Ounce and **Pound are** the same.

Grams		Scruples		Drachms		Ozs.		Lbs.
20	=	1						
60	=	3	=	1				
480	=	24	=	8	=	1		
5760	=	288	=	96	=	12	=	1

U. S. WEIGHTS AND MEASURES

LONG MEASURE (Measures of Length)

Ins		Feet		Yards		Fath.		Rods		Furl.		Mile
12	=	1										
36	=	3	=	1								
72	=	6	=	2	=	1						
198	=	16½	=	5½	=	2¾	=	1				
7920	=	660	=	220	=	110	=	40	=	1		
63360	=	5280	=	1760	=	880	=	320	=	8	=	1

6080.26 Feet = 1.15 Statute Miles = 1 Nautical Mile or Knot.

SQUARE MEASURE (Measures of Surface)

Sq. Ins.		Sq. Feet		Sq. Yards		Sq. Rods		Roods		Acre
144	=	1								
1296	=	9	=	1						
39204	=	272¼	=	30¼	=	1				
1568160	=	10890	=	1210	=	40	=	1		
6272640	=	43560	=	4840	=	160	=	4	=	1

640 Acres = 1 Square Mile.

An Acre = a square whose side is 69.57 Yards or 208.71 Feet.

CUBIC MEASURE (Measures of Volume)

Cu. Ins.		Cu. Feet		Cu. Yard
1728	=	1		
46656	=	27	=	1

A Cord of Wood = 128 Cubic Feet, being 4 feet × 4 feet × 8 feet.

42 Cubic Feet = a Ton of Shipping.

1 Perch of Masonry = 24¾ Cubic Feet, being 16½ feet × 1½ feet × 1 foot.

LIQUID OR WINE MEASURE

The U. S. Standard Gallon measures 231 Cubic Inches, or 8.33888 Pounds Avoirdupois of pure water, at about 39.85 degrees Fahr., the Barometer at 30 Inches.

Gills		Pints		Quarts		Gallons		Tierces		Hogsheads		Puncheons		Pipes		Tun		Cubic Inches
4	=	1	=															28.375
8	=	2	=	1	=													57.75
32	=	8	=	4	=	1	=											231.
1344	=	336	=	168	=	42	=	1										
2016	=	504	=	252	=	63	=	1⅓	=	1								
2488	=	672	=	336	=	84	=	2	=	1⅓	=	1						
4032	=	1008	=	504	=	126	=	3	=	2	=	1½	=	1				
8064	=	2016	=	1008	=	252	=	6	=	4	=	3	=	2	=	1		

A Cubic Foot contains 7½ Gallons.

The British Imperial Gallon contains 277.27 Cubic inches and = 1.2 U. S. Gallons.

THE METRIC SYSTEM

WEIGHTS

Metric Denominations and Values.			Equivalents in Denominations in use.				
Names.		No. Grams.		Weight of what quantity of water at maximum density.		Avoirdupois Weight.	
Millier or tonneau	=	1,000,000	=	1 cubic meter	=	2204.6	pounds
Quintal	=	100,000	=	1 hectoliter	=	220.46	pounds
Myriagram	=	10,000	=	10 liters	=	22.046	pounds
Kilogram or kilo	=	1,000	=	1 liter	=	2.2046	pounds
Hectogram	=	100	=	1 deciliter	=	3.5274	ounces
Dekagram	=	10	=	10 c. centimeters	=	0.3527	ounce
Gram	=	1	=	1 c. centimeter	=	15.432	grains
Decigram	=	.1	=	.1 c. centimeter	=	1.5432	grains
Centigram	=	.01	=	10 c. millimeters	=	0.1543	grain
Milligram	=	.001	=	1 c. millimeter	=	0.0154	grain

MEASURES OF LENGTH

Metric Denominations and Values.			Equivalents in Denominations in use.	
Myriameter	=	10,000 meters	=	6.2137 miles
Kilometer	=	1,000 meters	=	0.62137 mile, or 3,280 feet 10 inches
Hectometer	=	100 meters	=	328 feet and 1 inch
Dekameter	=	10 meters	=	393.7 inches
Meter	=	1 meter	=	39.37 inches
Decimeter	=	.1 of a meter	=	3.937 inches
Centimeter	=	.01 of a meter	=	0.3937 inch
Millimeter	=	.001 of a meter	=	0.0394 inch

MEASURES OF SURFACE

Metric Denominations and Values.			Equivalents in Denominations in use.	
Hectare	=	10,000 square meters	=	2.471 acres
Are	=	100 square meters	=	119.6 square yards
Centare	=	1 square meter	=	1.550 square inches

MEASURES OF CAPACITY

Metric Denominations and Values.					Equivalents in Denominations in use.			
Names.		No. Liters.		Cubic Measure.		Dry Measure.		Wine Measure.
Kiloliter	=	1,000	=	1 cubic meter	=	1.308 cubic yards	=	264.17 gallons
Hectoliter	=	100	=	.1 cubic meter	=	2 bush. 3 35 pecks	=	26.417 gallons
Decaliter	=	10	=	10 c. decimeters	=	9.08 quarts	=	2.6417 gallons
Liter	=	1	=	1 c. decimeter	=	0.908 quart	=	1.0567 quarts
Deciliter	=	.1	=	.1 c. decimeter	=	6.1022 cubic inches	=	0.845 gill
Centiliter	=	.01	=	10 c. centimeters	=	0.6102 cubic inches	=	0.338 fluid oz.
Milliliter	=	.001	=	1 c. centimeter	=	0.061 cubic inches	=	0.27 fluid dr.

STANLEY RULE AND LEVEL CO.

"UNITED STATES" AND "METRIC" CONSTANTS

LONG MEASURE

Millimeters	×	.03937	=	inches
Millimeters	÷	25.4	=	inches
Centimeters	×	.3937	=	inches
Centimeters	÷	2.54	=	inches
Meters	=	39.37	=	inches (Act of Congress)
Meters	×	3.281	=	feet
Meters	×	1.094	=	yards
Kilometers	×	.621	=	miles
Kilometers	÷	3280.7	=	feet
Kilometers	÷	1.6093	=	miles

SQUARE MEASURE

Square millimeters	×	.0155	=	square inches
Square millimeters	÷	645.1	=	square inches
Square centimeters	×	1.55	=	square inches
Square centimeters	÷	6.451	=	square inches
Square meters	×	10.764	=	square feet
Square kilometers	×	247.1	=	acres
Hectares	×	2.471	=	acres

CUBIC MEASURE

Cubic centimeters	÷	16.383	=	cubic inches
Cubic centimeters	÷	3.69	=	fluid drachms (U. S. P.)
Cubic centimeters	÷	29.57	=	fluid ounce (U. S. P.)
Cubic meters	×	35.315	=	cubic feet
Cubic meters	×	1.308	=	cubic yards
Cubic meters	×	264.2	=	gallons (231 cubic inches)

LIQUID MEASURE

Liters	×	61.022	=	cubic inches (Act of Congress)
Liters	×	33.84	=	fluid ounces (U. S. Phar.)
Liters	×	.2642	=	gallons (231 cubic inches)
Liters	÷	3.78	=	gallons (231 cubic inches)
Liters	÷	28.316	=	cubic feet
Hectoliters	×	3.531	=	cubic feet
Hectoliters	×	2.84	=	bushels (2150.42 cubic inches)
Hectoliters	×	.131	=	cubic yards
Hectoliters	÷	26.42	=	gallons (231 cubic inches)

WEIGHTS

Grammes	×	15.432	=	grains (Act of Congress)
Grammes	×	981	=	dynes
Grammes (water)	÷	29.57	=	fluid ounces
Grammes	÷	28.35	=	ounces avoirdupois
Grammes per cubic centimeter	÷	27.7	=	pounds per cubic inch
Joule	×	.7373	=	foot pounds
Kilograms	×	2.2046	=	pounds
Kilograms	×	35.3	=	ounces avoirdupois
Kilograms	÷	1102.3	=	tons (2,000 pounds)
Kilograms	×	per square centimeter 14.223	=	pounds per square inch

CIRCUMFERENCES, AREAS, SQUARES, CUBES, SQUARE AND CUBE ROOTS

Advancing by 8ths and 4ths. 1 to 9¾.

Dia. or No.	Circum.	Area.	Sq're	Cube.	Sqr. Root.	Cube Root.
1	3.14	.785	1.	1.	1.	1.
⅛	3.53	.994	1.27	1.42	1.060	1.040
¼	3.93	1.227	1.56	1.95	1.118	1.077
⅜	4.32	1.485	1.89	2.60	1.173	1.112
½	4.71	1.767	2.25	3.38	1.225	1.145
⅝	5.11	2.074	2.64	4.29	1.275	1.176
¾	5.50	2.405	3.06	5.36	1.323	1.205
⅞	5.89	2.761	3.52	6.59	1.369	1.233
2	6.28	3.142	4.	8.	1.414	1.260
⅛	6 68	3.547	4.52	9.59	1.458	1.286
¼	7.07	3.976	5.06	11.39	1.5	1.310
⅜	7.46	4.430	5.64	13.40	1.541	1.334
½	7.85	4.909	6.25	15.63	1.581	1.358
⅝	8.25	5.412	6.89	18.08	1.620	1.380
¾	8.64	5.940	7.56	20.79	1.658	1.402
⅞	9.03	6.492	8.27	23.76	1.695	1.422
3	9.42	7.07	9.	27.	1.732	1.442
⅛	9.82	7.67	9.77	30.52	1.768	1.462
¼	10.21	8.30	10.56	34.32	1.803	1.482
⅜	10.60	8.95	11.39	38.44	1.837	1.5
½	11.00	9.62	12.25	42.88	1.871	1.518
⅝	11.39	10.32	13.14	47.63	1.904	1.535
¾	11.78	11.05	14.06	52.73	1.936	1.553
⅞	12.17	11.79	15.02	58.17	1.968	1.570
4	12.57	12.57	16.	64.	2.	1.587
¼	13.35	14.19	18.06	76.78	2.061	1.619
½	14.14	15.90	20.25	91.13	2.121	1.651
¾	14.92	17.72	22.56	107.16	2.179	1.681
5	15.71	19.63	25.	125.	2.236	1.710
¼	16.49	21.64	27.56	144.70	2.291	1.738
½	17.28	23.76	30 25	166.37	2.345	1.765
¾	18.06	25.97	33.06	190.11	2.398	1.792
6	18.85	28.29	36.	216.	2.449	1.817
¼	19.64	30.68	39.06	244.14	2.5	1.832
½	20.42	33.18	42.25	274.63	2.550	1.866
¾	21.21	35.78	45.56	307.55	2.599	1.890
7	21.99	38.48	49.	343.	2.646	1.913
¼	22.78	41.28	52.56	381.08	2.692	1.935
½	23.56	44.18	56.25	421.88	2.739	1.957
¾	24.35	47.17	60.06	465.48	2.784	1.979
8	25.13	50.26	64.	512.	2.828	2.
¼	25.92	53.46	68.06	561.52	2.872	2.021
½	26.70	56.75	72.25	614.12	2.915	2.041
¾	27.49	60.13	76.56	669.92	2.958	2.061
9	28.27	63.62	81.	729.	3.	2.080
¼	29.06	67.20	85.56	791.45	3.041	2.098
½	29.85	70.88	90.25	857.37	3.082	2.118
¾	30.63	74.66	95.06	926.86	3.122	2.136

Advancing by Decimals. .2 to 9.8.

Dia. or No.	Circum.	Area.	Sq're	Cube.	Sqr. Root.	Cube Root.
.2	.628	.0314	.04	.008	.447	.585
.4	1.26	.1256	.16	.064	.633	.737
.6	1.88	.2827	.36	.216	.775	.843
.8	2.51	.5026	.64	.512	.894	.928
1.	3.14	.7854	1.	1.	1.	1.
.2	3.77	1.131	1.44	1.73	1.095	1.063
.4	4.39	1.539	1.96	2.74	1.183	1.119
.6	5.02	2.011	2 56	4.10	1.265	1.170
.8	5.65	2.545	3.24	5.83	1.342	1.216
2.	6.28	3.142	4.	8.	1.414	1.260
.2	6.91	3.801	4.84	10.65	1.483	1.301
.4	7.53	4.524	5.76	13.82	1.549	1.339
.6	8.16	5.309	6.76	17.58	1.612	1.375
.8	8.79	6.158	7.84	21.95	1.673	1.409
3.	9.42	7.069	9.	27.	1.732	1.442
.2	10.05	7.548	10.24	32.77	1.789	1.474
.4	10.68	8.553	11.56	39.30	1.844	1.504
.6	11.30	10.18	12.96	46.66	1.897	1.533
.8	11.93	11.34	14.44	54.87	1.949	1.560
4.	12.56	12.57	16.	64.	2.	1.587
.2	13.19	13.85	17.64	74.09	2.049	1.613
.4	13.82	15.21	19.36	85.18	2.098	1.639
.6	14.45	16.62	21.16	97.34	2.145	1.663
.8	15.08	18.10	23.04	110.6	2.191	1.687
5.	15.70	19.63	25.	125.	2.236	1.710
.2	16.33	21.24	27.04	140.6	2.280	1.732
.4	16.96	22.90	29.16	157.5	2.324	1.754
.6	17.59	24.63	31.36	175.6	2.366	1.776
.8	18.22	26.42	33.64	195.1	2.408	1.797
6.	18.84	28.27	36.	216.	2.449	1.817
.2	19.47	30.19	38.44	238.3	2.490	1.837
.4	20.10	32.17	40.96	262.1	2.530	1.857
.6	20.73	34.21	43.56	287.5	2.569	1.876
.8	21.36	36.32	46.24	314.4	2.608	1.895
7.	21.99	38.48	49.	343.	2.646	1.913
.2	22.61	40.72	51.84	373.2	2.683	1.931
.4	23.24	43.01	54.76	405.2	2.720	1.949
.6	23.87	45.36	57.76	439.	2.757	1.966
.8	24.50	47.78	60.84	474.6	2.793	1.983
8.	25.13	50.27	64.	512.	2.828	2.
.2	25.76	52.81	67.24	551.4	2.864	2.017
.4	26.38	55.42	70.56	592.7	2 898	2.033
.6	27.01	58.09	73.96	636.1	2.933	2.049
.8	27.64	60.82	77.44	681.5	2.966	2.065
9.	28.27	63.62	81.	729.	3.	2.080
.2	28.90	66.48	84.64	778.7	3.033	2.095
.4	29.53	69.40	88.36	830.6	3.066	2.110
.6	30.15	72.38	92.16	884.7	3.098	2.125
.8	30.78	75.43	96.04	941.2	3.130	2.140

STANLEY RULE AND LEVEL CO.

CIRCUMFERENCES, AREAS, SQUARES, CUBES, SQUARE AND CUBE ROOTS

NOTE.—To find the 4th power (or biquadrate) of a number multiply the square by the square.

To find the 4th root extract the square root twice in succession.

Diameters 10 to 99.

Dia. or No.	Circum.	Area.	Sqr.	Cube.	Sqr. Root.	Cube Root.	Dia. or No.	Circum.	Area.	Sqr.	Cube.	Sqr. Root.	Cube Root.
10	31.41	78.54	100	1000	3.162	2.154	55	172.8	2375.8	3025	166375	7.416	3.803
11	34.55	95.03	121	1331	3 317	2.224	56	175.9	2463.0	3136	175616	7.483	3.826
12	37.69	113.0	144	1728	3.464	2.289	57	179.1	2551.8	3249	185193	7.550	3.849
13	40.84	132.7	169	2197	3.606	2.351	58	182.2	2642.1	3364	195112	7.616	3.871
14	43.98	153.9	196	2744	3.742	2.410	59	185.4	2734.0	3481	205379	7.681	3.893
15	47.12	176.7	225	3375	3.873	2.466	60	188.5	2827.4	3600	216000	7.746	3.915
16	50.26	201.0	256	4096	4.	2.520	61	191.6	2922.5	3721	226981	7.810	3.937
17	53.40	226.9	289	4913	4.123	2.571	62	194.8	3019.1	3844	238328	7.874	3.958
18	56.54	254.4	324	5832	4.243	2.621	63	197.9	3117.3	3969	250047	7.937	3.979
19	59.69	283.5	361	6859	4.359	2.668	64	201.1	3217.0	4096	262144	8.	4.
20	62.83	314.1	400	8000	4.472	2.714	65	204.2	3318.3	4225	274625	8.062	4.021
21	65.97	346.3	441	9261	4.583	2.759	66	207.3	3421.2	4356	287496	8.124	4.041
22	69.11	380.1	484	10648	4.690	2.802	67	210.5	3525.7	4489	300763	8.185	4.061
23	72.25	415.4	529	12167	4.796	2.844	68	213.6	3631.7	4624	314432	8.246	4.082
24	75.39	452.3	576	13824	4.899	2.885	69	216.8	3739.3	4761	328509	8.307	4.102
25	78.54	490.8	625	15625	5.	2.924	70	219.9	3848.5	4900	343000	8.367	4.121
26	81.68	530.9	676	17576	5.099	2.963	71	223.1	3959.2	5041	357911	8.426	4.141
27	84.82	572.5	729	19683	5.196	3.	72	226.2	4071.5	5184	373248	8.485	4.160
28	87.96	615.7	784	21952	5.292	3.037	73	229.3	4185.4	5329	389017	8.544	4.179
29	91.10	660.5	841	24389	5.385	3.072	74	232.5	4300.8	5476	405224	8.602	4.198
30	94.24	706.8	900	27000	5.477	3.107	75	235.6	4417.9	5625	421875	8.660	4.217
31	97.39	754.8	961	29791	5.568	3.141	76	238.8	4536.5	5776	438976	8.718	4.236
32	100.5	804.2	1024	32768	5.657	3.175	77	241.9	4656.6	5929	465533	8.775	4.254
33	103.7	855.3	1089	35937	5.745	3.208	78	245.0	4778.4	6084	474552	8.832	4.273
34	106.8	907.9	1156	39304	5.831	3.240	79	248.2	4901.7	6241	493039	8.888	4.291
35	110.	962.1	1225	42875	5.916	3.271	80	251.3	5026.6	6400	512000	8.944	4.309
36	113.1	1017.9	1296	46656	6.	3.302	81	254.5	5153.0	6561	531441	9.	4.327
37	116.2	1075.2	1369	50653	6.083	3.332	82	257.6	5281.0	6724	551368	9.056	4.345
38	119.4	1134.1	1444	54872	6 164	3.362	83	260.8	5410.6	6889	571787	9.110	4.362
39	122.5	1194.6	1521	59319	6.245	3.391	84	263.9	5541.8	7056	592704	9.165	4.379
40	125.7	1256.6	1600	64000	6.325	3.420	85	267.0	5674.5	7225	614125	9.220	4.397
41	128.8	1320.3	1681	68921	6.403	3.448	86	270.2	5808.8	7396	636056	9.274	4.114
42	131.9	1385.4	1764	74088	6.481	3.476	87	273.3	5944.7	7569	658503	9.327	4.431
43	135.1	1452.2	1849	79507	6.557	3.503	88	276.5	6082.1	7744	681472	9.381	4.448
44	138.2	1520.5	1936	85184	6.633	3.530	89	279.6	6221.2	7921	704969	9.434	4.465
45	141.4	1590.4	2025	91125	6.708	3.557	90	282.7	6361.7	8100	729000	9.487	4.481
46	144.5	1661.9	2116	97336	6.782	3.583	91	285.9	6503.9	8281	753751	9.539	4.498
47	147.7	1734.9	2209	103823	6.856	3.609	92	289.0	6647.6	8464	778688	9.592	4.514
48	150.8	1809.6	2304	110592	6.928	3.634	93	292.2	6792.9	8649	804357	9.644	4.531
49	153.9	1885.7	2401	117649	7.	3.659	94	295.2	6939.8	8836	830584	9.695	4.547
50	157.1	1963.5	2500	125000	7.071	3.684	95	298.5	7088.2	9025	857375	9.747	4.563
51	160.2	2042.8	2601	132651	7.141	3.708	96	301.6	7238.2	9216	884736	9.798	4.579
52	163.4	2123.7	2704	140608	7.211	3.733	97	304.7	7389.8	9409	912673	9.849	4.595
53	166 5	2206.2	2809	148877	7.280	3.756	98	307.9	7543.0	9604	941192	9.899	4.610
54	169.6	2290.2	2916	157464	7.348	3.780	99	311.9	7697.7	9801	970299	9.950	4.626

CONTENTS (BOARD MEASURE)

OF ONE LINEAL FOOT OF TIMBER

Width in Inches.	Thickness in Inches.												
	2	3	4	5	6	7	8	9	10	11	12	13	14
18	3.	4.5	6.	7.5	9.	10.5	12.	13 5	15.	16.5	18	19.5	21.
17	2.83	4.25	5.66	7.08	8.5	9.92	11.33	12.75	14.17	15 58	17	18 42	19.83
16	2.67	4.	5 33	6.67	8.	9.33	10.67	12.	13.33	14.67	16	17.33	18.66
15	2.5	3.75	5.	6 25	7.5	8 75	10.	11.25	12.5	13.75	15	16.25	17.5
14	2.33	3.5	4.67	5.83	7.	8.17	9.33	10.5	11.67	12.83	14	15.17	16.33
13	2 17	3.25	4.33	5.42	6.5	7.58	8.67	9.75	10 83	11.92	13	14.08	
12	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12		
11	1 83	2.75	3 67	4.58	5.5	6 42	7.33	8.25	9.17	10.08			
10	1.67	2.5	3.33	4.17	5.	5.83	6.67	7 5	8.33				
9	1.5	2.25	3.	3.75	4.5	5.25	6.	6.75					
8	1 33	2.	2.67	3.33	4.	4 67	5.33						
7	1.17	1.75	2.33	2.92	3.5	4.08							
6	1.	1.5	2.	2.5	3.								
5	.83	1.25	1.67	2.08									
4	.67	1.	1.33										
3	.5	.75											
2	.33												

To ascertain contents of a piece of timber, find in the table the contents of one foot and multiply by the length, in feet, of the piece.

EXAMPLE: What is the Contents (Board Measure) of a piece of timber 10 in. x 7 in., 20 ft. long?

ANSWER: 5.83 x 20 = 116.6 feet Board Measure.

PROPERTIES OF TIMBER

Description.	Weight per cubic foot in lbs.	Tensile Strength per sq. in. in lbs.	Crushing Strength per sq. in. in lbs.	Relative Strength for Cross Breaking White Pine equal 100.	Shearing Strength with the Grain lbs. per sq. in.
Ash	43 to 55.8	11,000 to 17,207	4,400 to 9,363	130 to 180	458 to 700
Beech	43 to 53.4	11,500 to 18,000	5,800 to 9,363	100 to 144	.....
Cedar	50 to 56.8	10,300 to 11,400	5,600 to 6,000	55 to 63	.....
Cherry	.....	.....	.....	130	.....
Chestnut	33	10,500	5,350 to 5,600	96 to 123	.....
Elm	34 to 36.7	13,400 to 13,489	6,831 to 10,331	96	.....
Hemlock	.....	8 700	5,700	88 to 95	.....
Hickory	.....	12,800 to 18,000	8,925	150 to 210	.....
Locust	44	20,500 to 24,800	9,113 to 11,700	132 to 227	.....
Maple	49	10,500 to 10,584	8,150	122 to 220	367 to 647
Oak, White	45 to 54.5	10,253 to 19,500	4,684 to 9,509	130 to 177	752 to 966
Oak, Live	70	.....	6,850	155 to 189	.....
Pine, White	30	10,000 to 12,000	5,000 to 6,650	100	225 to 423
Pine, Yellow	28.8 to 33	12,600 to 19,200	5,400 to 9,500	98 to 170	286 to 415
Spruce	.....	10,000 to 19,500	5,050 to 7,850	86 to 110	253 to 374
Walnut, Black	42	9,286 to 16,000	7,500	.....	.....

The above table should be taken with caution, as there is often very wide variations in any species.

STANLEY RULE AND LEVEL CO.

CUT NAILS AND TACKS.

THE TERM "PENNY" AS APPLIED TO NAILS.

The origin of the terms "six-penny," "ten-penny," etc., as applied to nails, though not commonly known, is involved in no mystery whatever. Nails have been made a certain number of pounds to the thousand for many years and are still reckoned in that way in England, a ten-penny being a thousand nails to ten pounds, a six-penny a thousand nails to six pounds, a twenty-penny weighing twenty pounds to the thousand; and, in ordering, buyers call for the three-pound, six-pound, or ten pound variety, etc., until, by the Englishmen's abbreviation of "pun" for "pound," the abbreviation has been made to stand for penny, instead of pound, as originally intended.

LENGTH AND NUMBER OF CUT NAILS TO THE POUND

SIZE.	Length.	Common.	Clinch.	Fence.	Finishing.	Fine.	Barrel.	Casing.	Brads.	Tobacco.	Cut Spikes.
¾....	¾ in	....	....	....	....	....	800	....	....	....	....
⅞ ...	⅛	....	....	....	....	....	500	....	....	....	....
2d...	1	800	....	....	1100	1000	376	....	....	....	....
3d...	1¼	480	....	....	720	760	224	....	....	....	....
4d...	1½	288	....	....	523	368	180	398	....	....	....
5d...	1¾	200	....	....	410	....	....	....	....	130	....
6d...	2	168	96	84	268	....	....	224	126	96	....
7d...	2¼	124	74	64	188	....	...	....	98	82	....
8d...	2½	88	62	48	146	....	....	128	75	68	....
9d...	2¾	70	53	36	130	....	....	110	65	...	....
10d...	3	58	46	30	102	....	....	91	55	....	28
12d...	3¼	44	42	24	76	....	....	71	40	....	....
16d...	3½	34	38	20	62	....	....	54	27	....	22
20d...	4	23	33	16	54	....	....	40	....	....	14½
30d...	4½	18	20	....	....	....	....	33	....	....	12½
40d...	5	14	....	....	....	....	....	27	....	....	9½
50d...	5½	10	....	....	....	....	....	....	....	....	8
60d...	6	8	....	....	....	....	....	....	....	....	6
.....	6½	....	....	....	....	....	....	....	....	....	5½
.....	7	....	....	....	....	....	....	....	....	....	4½
.....	8	....	....	....	....	....	....	....	....	....	2½

TABLE FOR ESTIMATING QUANTITY OF NAILS

Material.	Size of Nail	Lbs. Required
1000 Shingles,	4d	5
1000 Laths,	3d	7
1000 Sq. Ft. Beveled Siding,	6d	18
1000 " " Sheathing,	8d	20
1000 " " "	10d	25
1000 " " Flooring,	8d	30
1000 " " "	10d	40
1000 " " Studding,	10d	15
1000 " " "	20d	5
1000 " " Furring 1 x 2 in.	10d	10
1000 " " Finished Flooring, ⅞ in.	8d to 10d Fin.	20
1000 " " " " 1⅛ in.	10d Fin.	30

ROOFING SLATE

TABLE OF SIZES AND NUMBER OF SLATES IN ONE SQUARE OF ROOF.

1 Square = 100 Square feet.

Size in Inches.	No. of Slate in a Square.	Size in Inches.	No. of Slate in a Square.	Size in Inches.	No. of Slate in a Square.	Size in Inches.	No. of Slate in a Square.
6x12	533	9x14	291	10x18	192	11x22	137
7x12	457	10x14	261	11x18	174	12x22	126
8x12	400	12x14	218	12x18	160	14x22	108
9x12	355	8x16	277	14x18	137	12x24	114
10x12	320	9x16	246	10x20	169	14x24	98
12x12	266	10x16	221	11x20	154	16x24	86
7x14	374	12x16	185	12x20	141	14x26	89
8x14	327	9x18	213	14x20	121	16x26	78

The weight of a square of Slate is estimated in a general way (varying according to the thickness of the different makes) at from 600 to 700 lbs. per square.

WEIGHT PER SQUARE FOOT.

Thickness.....	⅛	3/16	¼	⅜	½	⅝	¾	1
Weight.....	1.81	2.71	3.62	5.43	7.25	9.06	10.87	14.5 lbs.

Weight per cubic foot, 174 pounds.

It requires, on account of laps, an average of nearly 2½ *square feet* of slate to make one of 'ating.

PINE SHINGLES

NUMBER AND WEIGHT OF PINE SHINGLES TO COVER ONE SQUARE OF ROOF.

Table based on 4 inch width. For other widths multiply given number by 4 and divide by the width in question.

1 Square = 100 Square feet.

Number of inches Exposed to weather.	4	4½	5	5½	6
Number of Shingles per Square of roof	900	800	720	655	600
Weight in lbs. of shingles on one Square of roof.....	216	192	173	157	144

The number of shingles per square is for common gable roofs. For hip roofs, add 5% to these figures. The weights per square are based on the number per square. Shingles come 250 to the bundle. 4-inch shingles weigh 240 lbs. to 1,000.

SKYLIGHT GLASS

THE WEIGHTS OF VARIOUS SIZES AND THICKNESSES OF FLUTED OR PLATE GLASS REQUIRED FOR ONE SQUARE OF ROOF.

1 Square = 100 Square feet.

Dimensions in inches.....	12x48	15x60	20x100	94x156
Thicknesses in inches.....	3.1/6	¼	⅜	½
Area in Square feet.....	3.997	6.246	13.880	101.768
Weight in lbs. per Square of roof.....	250	350	500	700

In the above table no allowance is made for lap.

ANGLES AND DISTANCES

Angles and Distances corresponding to the opening of the 2-foot rule.

Ang.	Dis.	Ang.	Dis.	Ang.	Dis.	Ang.	Dis.	Ang.	Dis.	Ang.	Dis.
°	IN.	°	IN.	°	IN.	°	IN.	°	IN.		IN.
1	.2	16	3.34	31	6.41	46	9.38	61	12.18	76	14.78
2	.42	17	3.55	32	6.62	47	9.57	62	12.36	77	14.94
3	.63	18	3.75	33	6.82	48	9.76	63	12.54	78	15.11
4	.84	19	3.96	34	7.02	49	9.95	64	12.72	79	15.27
5	1 05	20	4.17	35	7.22	50	10.14	65	12.9	80	15.43
6	1.26	21	4.37	36	7.42	51	10.33	66	13.07	81	15.59
7	1.47	22	4.58	37	7.61	52	1 .52	67	13.25	82	15.75
8	1.67	23	4.78	38	7.81	53	10.71	66	13.42	83	15.9
9	1.88	24	4.99	39	8.01	54	10.9	69	13.59	84	16.06
10	2.09	25	5.19	40	8.2	55	11.08	70	13.77	85	16.21
11	2.3	26	5.4	41	8.4	56	11.27	71	13.94	86	16.37
12	2.51	27	5.6	42	8.6	57	11.45	72	14.11	87	16.52
13	2.72	28	5.81	43	8.8	58	11.64	73	14.28	88	16.67
14	2.92	29	6.01	44	8.99	59	11.82	74	14.44	89	16.82
15	3.13	30	6.21	45	9.18	60	12.	75	14.61	90	16.97

APPROXIMATE WEIGHT AND STRENGTH OF CORDAGE

Circumference in inches.	Diameter in inches.	Weight of 100 fathoms or 600 feet in lbs.	Weight of 100 fathoms Tarred in lbs.	Strength of New Ropes in lbs.	No. of feet in 1 lb.
6 thd.	3/16 in.	12	17	540	50 feet
9 "	1/4 "	18	24	780	33 " 4 in.
12 "	5/16 "	24	34	1000	25 "
15 "	3/8 "	30	45	1280	20 "
1 1/4 in.	7/16 "	37	50	1562	17 " 8 in.
1 1/2 "	1/2 "	46	55	2250	13 "
1 3/4 "	9/16 "	65	85	3062	9 " 3 in.
2 "	5/8 "	80	100	4000	7 " 6 in.
2 1/4 "	3/4 "	98	125	5000	6 "
2 1/2 "	13/16 "	120	155	6250	5 "
2 3/4 "	7/8 "	142	190	7500	4 " 3 in.
3 "	1 "	170	225	9000	3 " 6 in.
3 1/4 "	1 1/16 "	200	265	10500	3 "
3 1/2 "	1 1/8 "	230	300	12250	2 " 7 in.
3 3/4 "	1 1/4 "	271	350	14000	2 " 3 in.
4 "	1 5/16 "	310	405	16000	1 " 11 in.
4 1/4 "	1 3/8 "	346	455	18062	1 " 8 in.
4 1/2 "	1 1/2 "	390	510	20250	1 " 6 in.
4 3/4 "	1 9/16 "	435	575	22500	1 " 5 in.
5 "	1 5/8 "	480	640	25000	1 " 3 in.
5 1/2 "	1 3/4 "	581	775	30250	1 "
6 "	2 "	678	930	36000	10 2/3 in.

Note that strength given is for new rope.
For safe working should be divided by 10.

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NUMBER OF TACKS IN A POUND

Title.	Length.	No. per lb.	Title.	Length.	No. per lb.
1 ounce.	3/16 inch.	16,000	10 ounce	11/16 inch.	1 600
1½ ounce.	7/32 inch.	10,666	12 ounce.	¾ inch.	1,332
2 ounce.	¼ inch.	8,000	14 ounce.	13/16 inch.	1,143
2½ ounce.	5/16 inch.	6,400	16 ounce.	⅞ inch.	1,000
3 ounce.	⅜ inch.	5,332	18 ounce.	15/16 inch.	888
4 ounce.	7/16 inch.	4,000	20 ounce.	1 inch.	800
6 ounce.	9/16 inch.	2,666	22 ounce.	1 1/16 inch.	727
8 ounce.	⅝ inch.	2,000	24 ounce.	1⅛ inch.	666

WIND PRESSURE—POUNDS PER SQUARE FOOT

Rise in inches per foot of Run.	Angle with Horizontal.	Pitch Proportion of Rise to Span.	Wind Pressure Normal to Slope.
4	18.25	⅙	16.8
6	26.33	¼	23.7
8	33.42	⅓	29 1
12	45.00	½	36 1
16	53.07	⅔	38.7
18	56.20	¾	39 3
24	63.27	1	40.0

FLOOR LOADS EXCLUSIVE OF WEIGHT OF CONSTRUCTION

	Lbs. per Sq. Ft.		Lbs. per Sq. Ft.
Dwellings, Hotels, etc.,	70	Grain Storage,	80
Churches, Theatres, etc.,	70	Warehouses, Stores, etc.,	100
Ball-rooms,	80-120	Factories,	150-400
Schools,	80	Office Buildings,	100
Hay Lofts,	80		

WEIGHTS PER CUBIC FOOT

Material.	Weight Lbs.	Material.	Weight Lbs.
Cast Iron,	450	Cast Silver,	656
Tin,	456	Lead,	708
Wrought Iron,	480	Gold,	1,103
Steel,	490	Platinum,	1,340
Cast Brass,	527	Fresh Water,	63½
Gun Metal,	540	Salt,	64½
Bronze,	545	Ice,	56½
Sheet Copper,	547		

BRICKWORK.

Brickwork work is estimated by the thousand, and of various thicknesses of wall, runs as follows:

8¼ inch Wall, or 1 Brick in thickness, 14 Bricks per superficial foot
12¾ inch Wall, or 1½ Brick in thickness, 21 Bricks per superficial foot
17 inch Wall, or 2 Brick in thickness, 28 Bricks per superficial foot
21½ inch Wall, or 2½ Brick in thickness, 35 Bricks per superficial foot

An ordinary Brick measures about 8¼ x 4 x 2 inches, which is equal to 66 cubic inches or 26.2 Bricks to a cubic foot. The average weight is 4½ Lbs.

APPROXIMATE WEIGHTS OF VARIOUS ROOF COVERINGS

For preliminary estimates the weights of Various Roof Coverings may be taken as below:—

Name	Weights in lbs. per Square of Roof. (100 sq. ft.)
Cast Iron Plates, ⅜ inch thick	1500
Copper	80-125
Felt and Asphalt	100
Felt and Gravel	800-1000
Iron Corrugated	100-375
Iron Galvanized Flat	100-350
Lath and Plaster	900-1000
Sheathing, Pine 1 inch thick, yellow northern	300
Sheathing, Pine 1 inch thick, yellow southern	400
Spruce, 1 inch thick	200
Sheathing, Chestnut or Maple, 1 inch thick	400
Sheathing, Ash, Hickory or Oak, 1 inch thick	500
Sheet Iron, 1/16 inch thick	300
Sheet Iron, 1/16 inch thick, and laths	500
Shingles, Pine	200
Slates, ¼ inch thick	900
Skylights (Glass, 3 /16 to ½ inch thick)	250-700
Sheet Lead	500-800
Thatch	650
Tin	70-125
Tiles, Flat	1500-2000
Tiles (Grooves and Fillets)	700-1000
Tiles, Pan	1000
Tiles, with Mortar	2000-3000
Zinc	100-200

FLOORING AND SIDING.

In estimating matched flooring, a square toot of ⅞ inch stuff is considered to be one foot Board Measure.

If the flooring is 3 inches or more in width, add ¼ to assumed Board Measure to allow for the forming of tongue and groove; for less than 3 inches in width, add ⅓.

A square foot of 1 ⅛ inch finished flooring is considered to be 1¼ feet Board Measure.

To calculate the Board Measure of same, figure as if 1 inch thick and add 60 per cent. to cover extra thickness and waste in tonguing, grooving, etc.

Siding is measured by superficial foot.

6 inch Siding nominal width actually measures 5 ⅝ inches.

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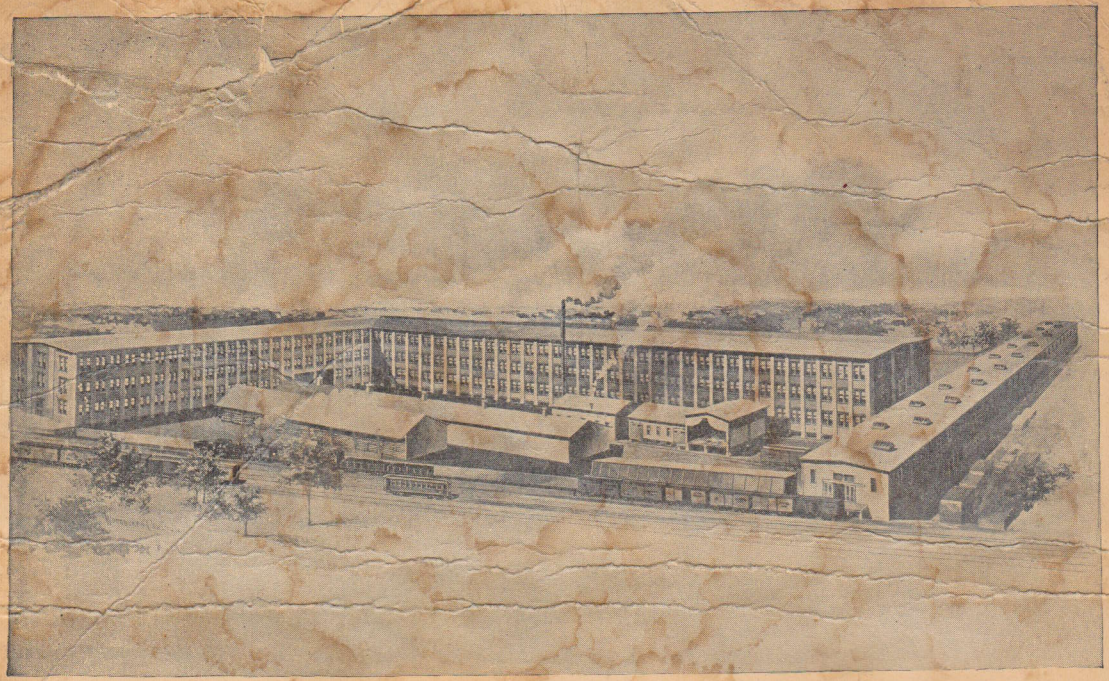

SAWMILL AND WOOD WORKING DEPARTMENTS.

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